

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL				1. WELL NAME and NUMBER NBU 661-24E		
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				3. FIELD OR WILDCAT NATURAL BUTTES		
4. TYPE OF WELL Gas Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>				5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES		
6. NAME OF OPERATOR EOG Resources, Inc.				7. OPERATOR PHONE 435 781-9111		
8. ADDRESS OF OPERATOR 1060 East Highway 40, Vernal, UT, 84078				9. OPERATOR E-MAIL kaylene_gardner@eogresources.com		
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-22790		11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>		
13. NAME OF SURFACE OWNER (if box 12 = 'fee') S				14. SURFACE OWNER PHONE (if box 12 = 'fee')		
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') ,,				16. SURFACE OWNER E-MAIL (if box 12 = 'fee')		
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		18. INTEND TO COMMINGLE PRODUCTION DOWNSTREAM YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>		

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1734 FSL 661 FWL	NWSW	24	10.0 S	20.0 E	S
Top of Uppermost Producing Zone	1734 FSL 661 FWL	NWSW	24	10.0 S	20.0 E	S
At Total Depth	1734 FSL 661 FWL	NWSW	24	10.0 S	20.0 E	S

21. COUNTY UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet) 661	23. NUMBER OF ACRES IN DRILLING UNIT 440
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1300	26. PROPOSED DEPTH MD: 7263 TVD: 7263
27. ELEVATION - GROUND LEVEL 5220	28. BOND NUMBER 6196017	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE #49-225

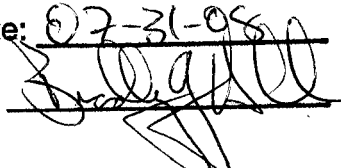
ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER <input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE) <input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN <input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER <input checked="" type="checkbox"/> TOPOGRAPHICAL MAP
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NAME Mary Maestas	TITLE Regulatory Assistant	PHONE 303 824-5526
SIGNATURE	DATE 11/30/2007	EMAIL mary_maestas@eogresources.com
API NUMBER ASSIGNED 43047500110000		APPROVAL

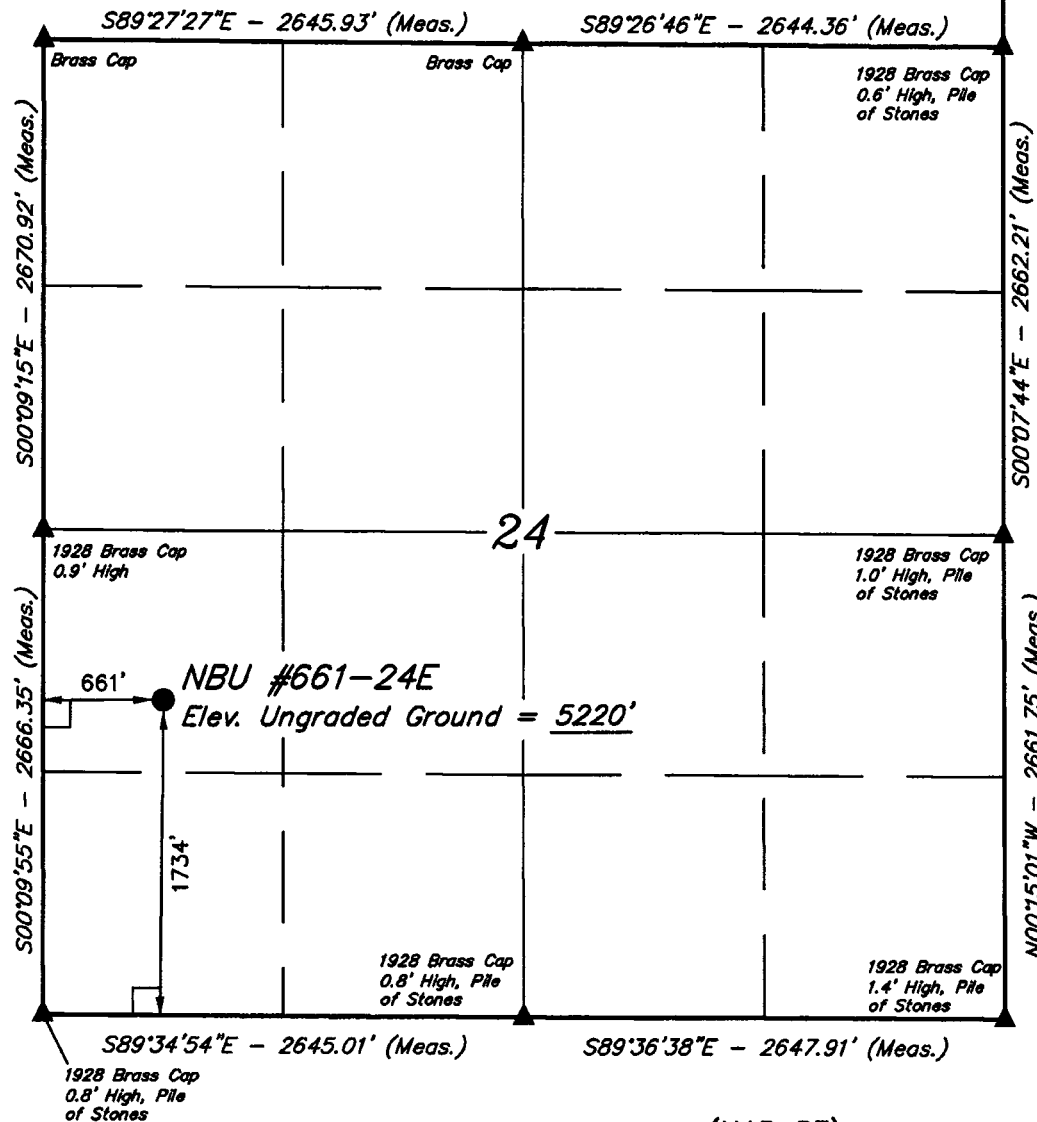
Approved by the
Utah Division of
Oil, Gas and Mining

Date: 07-31-08
By: 

T10S, R20E, S.L.B.&M.

R
20
E

R
21
E



LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)

LATITUDE = 39°55'50.44" (39.930678)

LONGITUDE = 109°37'14.56" (109.620711)

(NAD 27)

LATITUDE = 39°55'50.57" (39.930714)

LONGITUDE = 109°37'12.08" (109.620022)

EOG RESOURCES, INC.

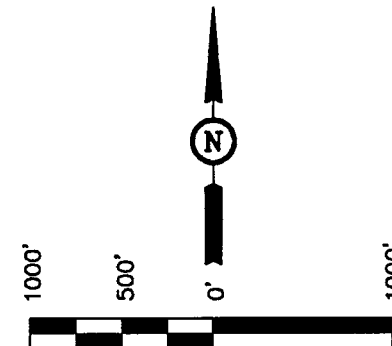
Well location, NBU #661-24E, located as shown in the NW 1/4 SW 1/4 of Section 24, T10S, R20E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

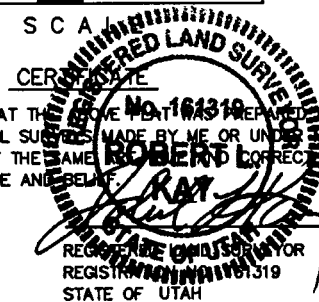
TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



THIS IS TO CERTIFY THAT THE MAP WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 10-16-07	DATE DRAWN: 10-19-07
PARTY A.F. B.A. L.K.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE EOG RESOURCES, INC.	

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Cond	17.5	13.375	0	45		
Pipe	Grade	Length	Weight			
	H-40	45	48.0			
	Cement Interval	Top (MD)	Bottom (MD)			
		0	45			
		Cement Description	Class	Sacks	Yield	Weight
			C	0	0.0	0.0

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	9.625	0	2300		
Pipe	Grade	Length	Weight			
	J-55	2300	36.0			
	Cement Interval	Top (MD)	Bottom (MD)			
		0	2300			
		Cement Description	Class	Sacks	Yield	Weight
			G	185	3.82	11.0
			G	207	1.18	15.6

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	4.5	0	7263		
Pipe	Grade	Length	Weight			
	N-80	7263	11.6			
	Cement Interval	Top (MD)	Bottom (MD)			
		0	7263			
		Cement Description	Class	Sacks	Yield	Weight
			G	124	3.91	11.0
			G	575	1.28	14.1

NATURAL BUTTES UNIT 661-24E
NW/SW, SEC. 24, T10S, R20E, S.L.B.&M..
UINTAH COUNTY, UTAH

FORMATION	TVD-RKB (ft)	Objective	Lithology	
Green River	1,164		Shale	
Wasatch	4,468	Primary	Sandstone	Gas
Chapita Wells	5,097	Primary	Sandstone	Gas
Buck Canyon	5,801	Primary	Sandstone	Gas
North Horn	6,577		Sandstone	
TD	7,263			

[illegible]

9/20/06

EIGHT POINT PLAN
NATURAL BUTTES UNIT 661-24E
NW/SW, SEC. 24, T10S, R20E, S.L.B.&M..
UINTAH COUNTY, UTAH

5. Float Equipment:

Surface Hole Procedure (0'- 2300'±)

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of jts. #2 and #3 then every 5th joint to surface. (15 total)

Production Hole Procedure (2300'± - TD):

Float shoe, 1 joint casing, float collar and balance of casing to surface. 4-½", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 2nd joint to 400' above Wasatch Island top. Thread lock float shoe, top and bottom of float collar, and top of 2nd joint.

6. MUD PROGRAM

Surface Hole Procedure (Surface - 2300'±):

Air/air mist or aerated water.

Production Hole Procedure (2300'± - TD): Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

2300'± - TD A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Defloculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum.

7. VARIANCE REQUESTS:

Reference: Onshore Oil and Gas Order No. 2 – Item E: Special Drilling Operations

EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. Due to reduce location excavation, the blooie line will be approximately 75' in length

EIGHT POINT PLAN
NATURAL BUTTES UNIT 661-24E
NW/SW, SEC. 24, T10S, R20E, S.L.B.&M..
UINTAH COUNTY, UTAH

8. EVALUATION PROGRAM:

Logs: Mud log from base of surface casing to TD.
Cased-hole Logs: Cased-hole logs will be run in lieu of open-hole logs consisting of the following:
Cement Bond / Casing Collar Locator and Pulsed Neutron

9. CEMENT PROGRAM:

Surface Hole Procedure (Surface - 2300'±):

Lead: 185 sks Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% CaCl₂, 3 lb/sx GR3 ¼ #/sx Flocele mixed at 11 ppg, 3.82 ft³/sk. yield, 23 gps water.

Tail: 207 sks Class "G" cement with 2% CaCl₂, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft³/sk., 5.2 gps water.

Top Out: As necessary with Class "G" cement with 2% CaCl₂, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft³/sk., 5.2 gps water.

Note: Cement volumes will be calculated to bring lead cement to surface and tail cement to 500' above the casing shoe.

Production Hole Procedure (2300'± - TD)

Lead: 124 sks: Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44 (Salt), 0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29 (cello flakes) mixed at 11.0 ppg, 3.91 ft³/sk., 24.5 gps water.

Tail: 575 sks: 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075% D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at 14.1 ppg, 1.28 ft³/sk., 5.9gps water.

Note: The above number of sacks is based on gauge-hole calculation.
Lead volume to be calculated to bring cement to 200'± above 9-5/8" casing shoe.
Tail volume to be calculated to bring cement to 400'± above top of Wasatch.

Final Cement volumes will be based upon gauge-hole plus 45% excess.

EIGHT POINT PLAN
NATURAL BUTTES UNIT 661-24E
NW/SW, SEC. 24, T10S, R20E, S.L.B.&M..
UINTAH COUNTY, UTAH

10. ABNORMAL CONDITIONS:

Surface Hole (Surface - 2300'±):

Lost circulation

Production Hole (2300'± - TD):

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.

11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

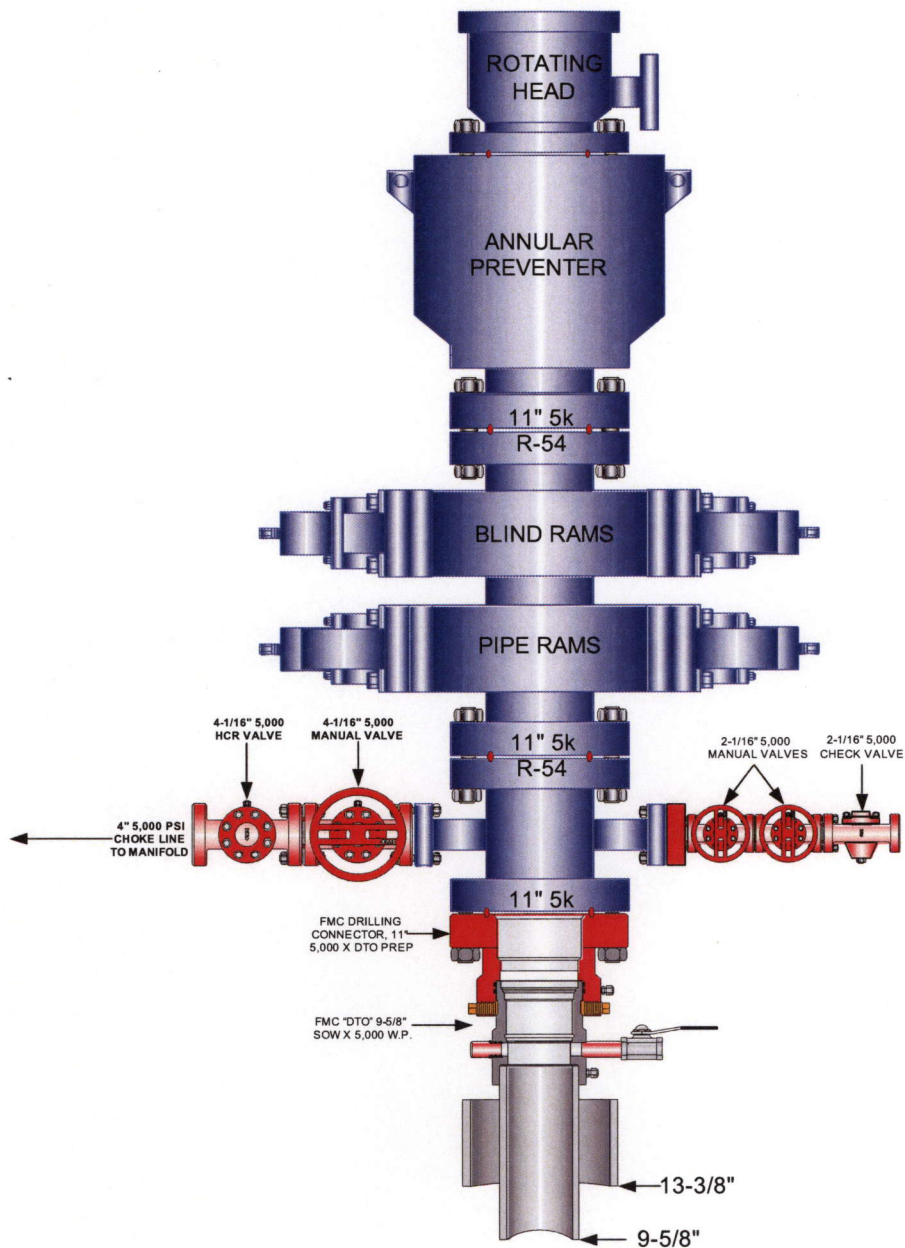
12. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

(Attachment: BOP Schematic Diagram)

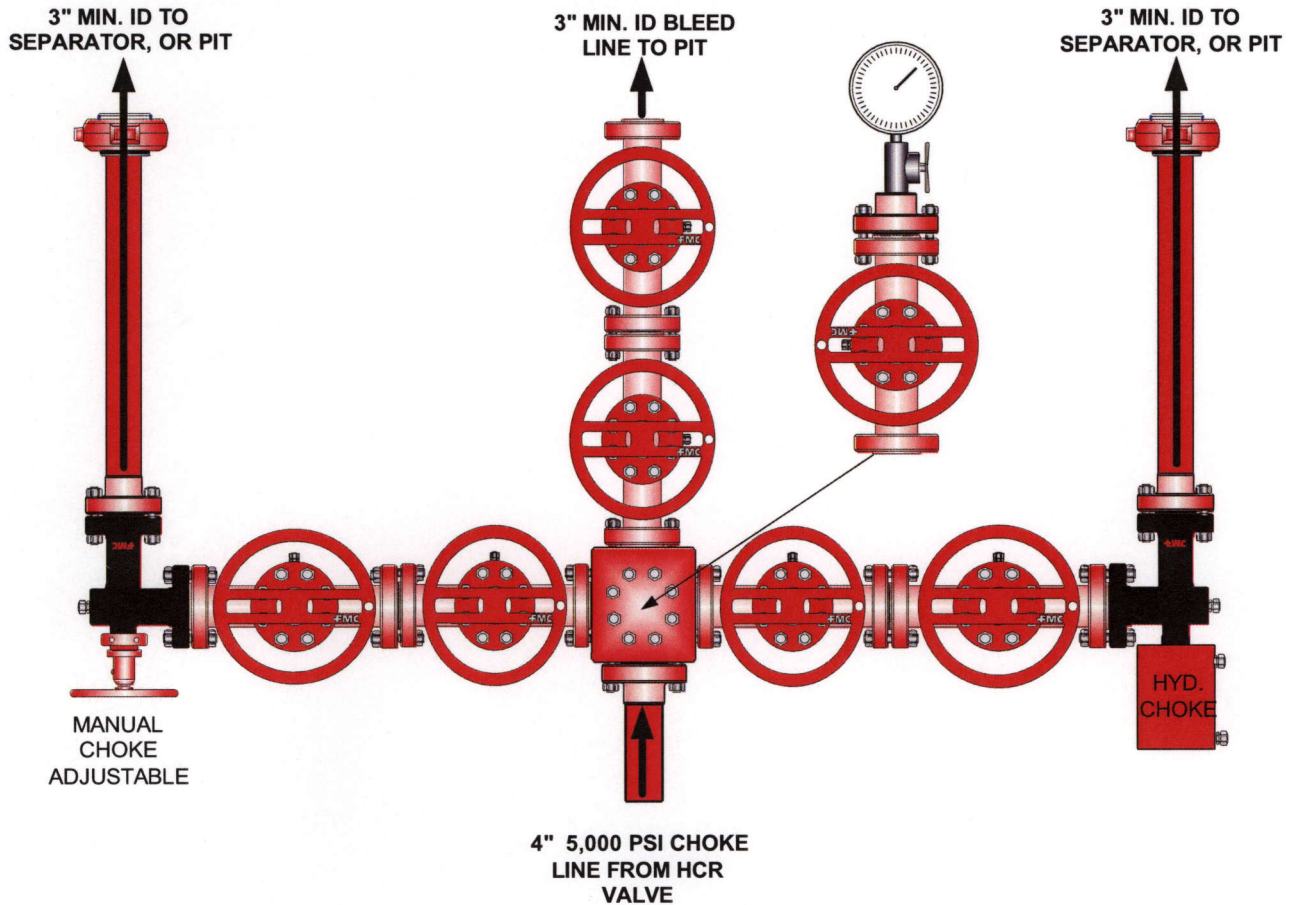
**EOG RESOURCES 11" 5,000 PSI W.P. BOP
CONFIGURATION**

PAGE 1 OF 2



EOG RESOURCES CHOKE MANIFOLD CONFIGURATION W/ 5,000 PSI WP VALVES

PAGE 2 OF 2



Testing Procedure:

1. BOP will be tested with a professional tester to conform to Onshore Order #2.
2. Blind and Pipe rams will be tested to rated working pressure, 5,000 psi.
3. Annular Preventer will be tested to 50% working pressure, 2,500 psi.
Casing will be tested to 0.22 psi / ft. or 1,500 psi. Not to exceed 70% of burst strength, **whichever is greater.**
4. All lines subject to well pressure will be tested to the same pressure as blind and pipe rams.
5. All BOPE specifications and configurations will meet Onshore Order #2 requirements.



***Natural Buttes Unit 661-24E
NWSW, Section 24, T10S, R20E
Uintah County, Utah***

SURFACE USE PLAN

1. EXISTING ROADS:

- A. See attached Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 44.3 miles south of Vernal, Utah – See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary.

2. PLANNED ACCESS ROAD:

- A. The access road will be approximately 240' in length. See attached Topo B.
- B. The access road has a 40-foot ROW w/18 foot running surface.
- C. Maximum grade of the new access road will be 8 percent.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.
- I. A 40-foot permanent right-of-way is requested. No surfacing material will be used.
- J. No additional storage areas will be needed for storing equipment, stockpiling, or vehicle parking.

All travel will be confined to existing access road rights-of-way.

New or reconstructed roads will be centerlined – flagged at time of location staking.

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed, safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 40-foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, EOG Resources, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

Traveling off the 40-foot right-of-way will not be allowed. The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition, and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

3. LOCATION OF EXISTING WELLS WITHIN A ONE-MILE RADIUS:

See attached TOPO map "C" for the location of wells within a one-mile radius.

4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

A. On Well Pad

1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of wellhead valves, combo separator-dehy unit with meter, two (2) 400-bbl vertical tanks and attaching piping.
2. Gas gathering lines – A 4" gathering line will be buried from dehy to the edge of the location.

B. Off Well Pad

1. Proposed pipeline will transport natural gas.
2. The pipeline will be a permanent feeder line.
3. The length of the proposed pipeline is 200' x 40'. The proposed pipeline leaves the southern edge of the well pad (Lease ML-22790) proceeding in a southeasterly direction for an approximate distance of 200' tying into an existing pipeline in the NWSW of Section 24, T10S, R20E. Pipe will be 4" NOM, 0.156 wall, Grade X42, Zap-Lock, electric weld with a 35 mil X-Tru coating.

4. Proposed pipeline will be a 4" OD steel, zap-lok line laid on the surface
5. Proposed pipeline will be laid on surface.
6. Pipeline will be coupled using the Zap lock method. No additional off-pad facilities will be required.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. **All facilities will be painted with Carlsbad Canyon or Covert Green.** Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water supply will be from Ouray Municipal Water Plant at Ouray, Utah, and/or Bonanza Power Plant water source in Sec 26, T8S, R23E Uintah County, UT (State Water Right # 49-225(A31368)). Water will be hauled by a licensed trucking company.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

6. SOURCE OF CONSTRUCTION MATERIALS:

- A. All construction material for this pipeline will be of native borrow and soil accumulated during the construction of the location.
- B. No mineral materials will be required.

7. METHODS OF HANDLING WASTE DISPOSAL:

A. METHODS AND LOCATION

1. Cuttings will be confined in the reserve pit.
2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County Landfill.
4. Produced wastewater will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at

one of the following locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, CWU 550-30N SWD or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).

5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in the reserve pit or by removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the reserve pit will be avoided by flaring them off in the flare pit at the time of recovery.

The reserve pit will be constructed so as not to leak, break, or allow discharge. If the reserve pit requires padding prior to lining (due to rocky conditions) felt padding will be used.

The reserve pit shall be lined with felt and a 16-millimeter plastic liner. Sufficient bedding (i.e. weed free straw, or hay; felt; Polyswell or soil) will be used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O.

EOG Resources, Inc. maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at the site may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/ stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous and EHS and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing or completion of the well.

8. ANCILLARY FACILITIES:

None anticipated.

9. WELL SITE LAYOUT:

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The reserve pit will be located on the southwest corner of the location. The flare pit will be located downwind of the prevailing wind direction on the west side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled pit topsoil (first six inches) will be stored separate from the location topsoil. The stockpiled location topsoil will be stored in a location providing easy access for interim reclamation and protection of the topsoil. Upon completion of construction, the stockpiled topsoil from the location will be broadcast seeded with the approved seed mixture from this location and then walked down with a Caterpillar tractor.

Access to the well pad will be from the north.

FENCING REQUIREMENTS:

All pits will be fenced according to the following minimum standards:

- A. Thirty-nine inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.)
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distances between any two posts shall be no greater than 16 feet.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as

necessary during construction to prevent the escape of livestock, and, upon completion of construction, the fence shall be repaired to BLM or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is regularly traveled. If the well is a producer, the cattleguards (shall/shall not) be permanently counted on concrete bases. Prior to crossing any fence located on Federal land, or any fence between Federal land and private land, the operator will contact the BLM, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

10. PLANS FOR RECLAMATION OF THE SURFACE:

A. Interim Reclamation (Producing Location)

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours – See attached Figure #3. The reserve pit will be reclaimed within 90 days from the date of the well completion, or as soon as environmental conditions allow. Before any dirt takes place, the reserve pit must be completely dry and free of all foreign obstacles.

The stockpiled pit topsoil will then be spread over the pit area and broadcast seeded with the prescribed seed mixture for this location. The seeded area will then be walked down with a cat.

B. Dry Hole/Abandoned Location

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BLM will attach the appropriated surface rehabilitation conditions of approval.

11. SURFACE OWNERSHIP:

Surface ownership of the proposed well site, access road, and pipeline route is as follows:

State of Utah

12. OTHER INFORMATION:

- A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the Authorized Officer. Within five working days the Authorized Officer will inform the operator as to:
- Whether the materials appear eligible for the National Register of Historic Places;
 - The mitigation measures the operator will likely have to undertake before the site can be used.
 - A time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, EOG Resources, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BLM administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application or herbicides or other pesticides or possible hazardous chemicals.
- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on BLM lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)
- D. The drilling rig and ancillary equipment will be removed from the location prior to commencement of completion operations. Completion operations will be conducted utilizing a completion/workover rig.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for

the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Construction activity will not be conducted using frozen or saturated soils material or during periods when watershed damage is likely to occur.

If the existing access road, proposed access road, and proposed pad are dry during construction, drilling, and completion activities, water will be applied, as needed, to help facilitate compaction during construction and to minimize soil loss as a result of wind erosion.

A cultural resources survey will be conducted and submitted by Montgomery Archaeological Consultants. A paleontology survey will be conducted and submitted by Intermountain Paleo-Consulting.

LESSEE OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

PERMITTING AGENT

Mary A. Maestas
EOG Resources, Inc.
1060 East Highway 40
Vernal, UT 84078
(435) 781-9111

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Please be advised that EOG Resources, Inc. is considered to be the operator of the Natural Buttes Unit 661-24E Well, located in the NWSW, of Section 24, T10S, R20E, Uintah County, Utah; State land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

November 8, 2007

Date

Mary A. Maestas, Regulatory Assistant

FIGURE #1

NBU #661-24E
SECTION 24, T10S, R20E, S.L.B.&M.

*Proposed Access
For The #662-24E*

CONSTRUCT
DIVERSION
DITCH F_2

F-3.6
El. 213.2'

Sta. 3+50

Approx.
Top of
Cut Slope

SCALE: 1" = 50'
DATE: 10-22-07
Drawn By: L.K.

NOTE:

*Flare Pit is to be located
a min. of 100' from the
Well Head.*

El. 228.6'
C-23.8'
(btm. pit)

**Total Plt Capacity
W/2' Of Freeboard
= 10,670 Bbls. ±
Total Plt Volume
= 2,990 Cu. Yds.**

Reserve Pit Backfill
& Spoils Stockpile

15' WIDE BENCH/DIKE

RESERVE PITS

30075

TRASH

F-4.2'
El. 212.6'

Topsoil
Stockpile

TRAILER

TOILET ☐

FUEL

Sta. 1+75

F-8.8'
FL 208.0'

Approx.
Toe of
Fill Slope

Sta. 0+00

F-17.8
El. 199.0'

CONSTRUCT
DIVERSION
DITCH

NOTES:

Elev. Ungraded Ground At Loc. Stake = 5219.9
FINISHED GRADE ELEV. AT LOC. STAKE = 5216.8'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

EOG RESOURCES, INC.

TYPICAL CROSS SECTIONS FOR

NBU #661-24E

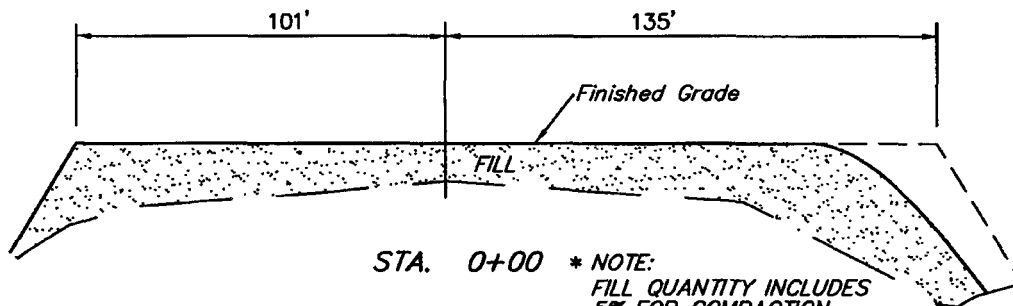
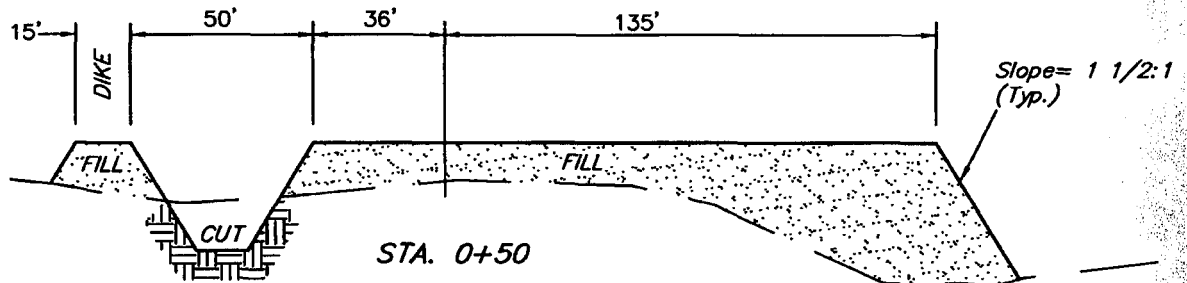
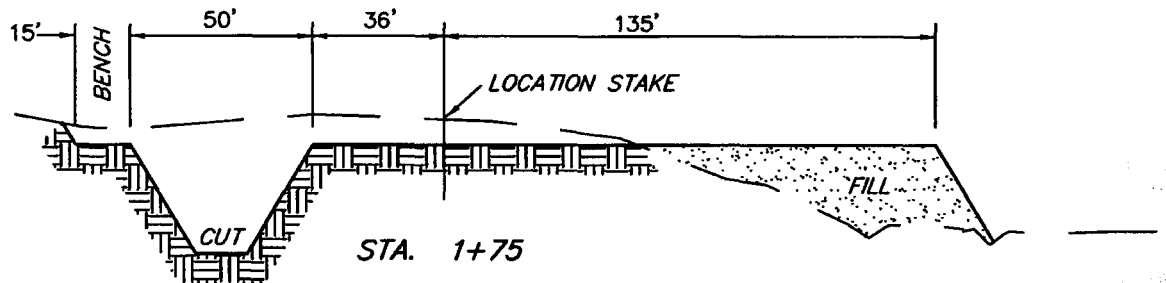
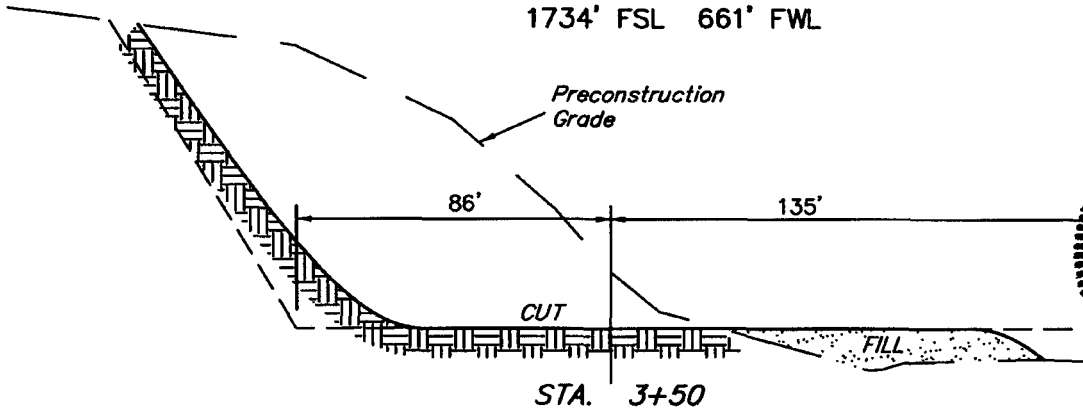
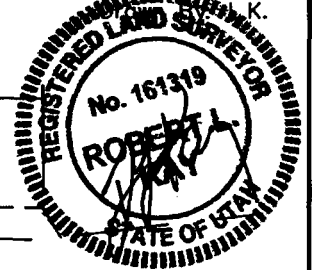
SECTION 24, T10S, R20E, S.L.B.&M.

1734' FSL 661' FWL

FIGURE #2

1" = 20'
X-Section Scale
1" = 50'

DATE: 10-22-07



* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,970 Cu. Yds.
Remaining Location	= 13,910 Cu. Yds.
TOTAL CUT	= 15,880 CU.YDS.
FILL	= 12,390 CU.YDS.

EXCESS MATERIAL	= 3,490 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,490 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

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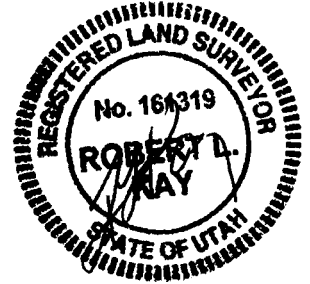
EOG RESOURCES, INC.

PRODUCTION FACILITY LAYOUT FOR

NBU #661-24E

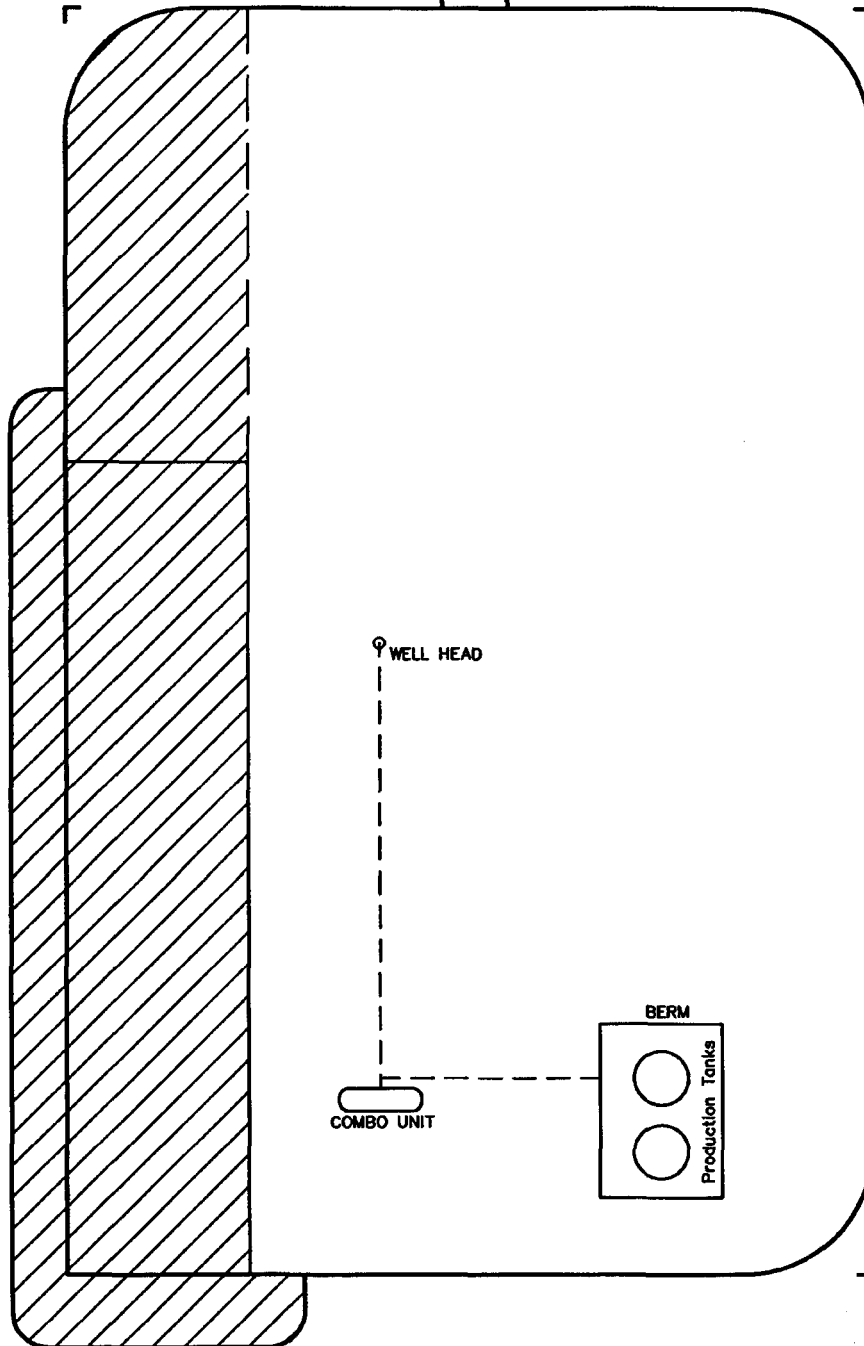
SECTION 24, T10S, R20E, S.L.B.&M.

1734' FSL 661' FWL



Access
Road

SCALE: 1" = 50'
DATE: 10-22-07
Drawn By: L.K.



RE-HABED AREA

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86 So. 200 East * Vernal, Utah, 84078 * (435) 789-1017

EOG RESOURCES, INC.

NBU #661-24E

LOCATED IN UINTAH COUNTY, UTAH
SECTION 24, T10S, R20E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHWESTERLY



UELS

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

- Since 1964 -

LOCATION PHOTOS

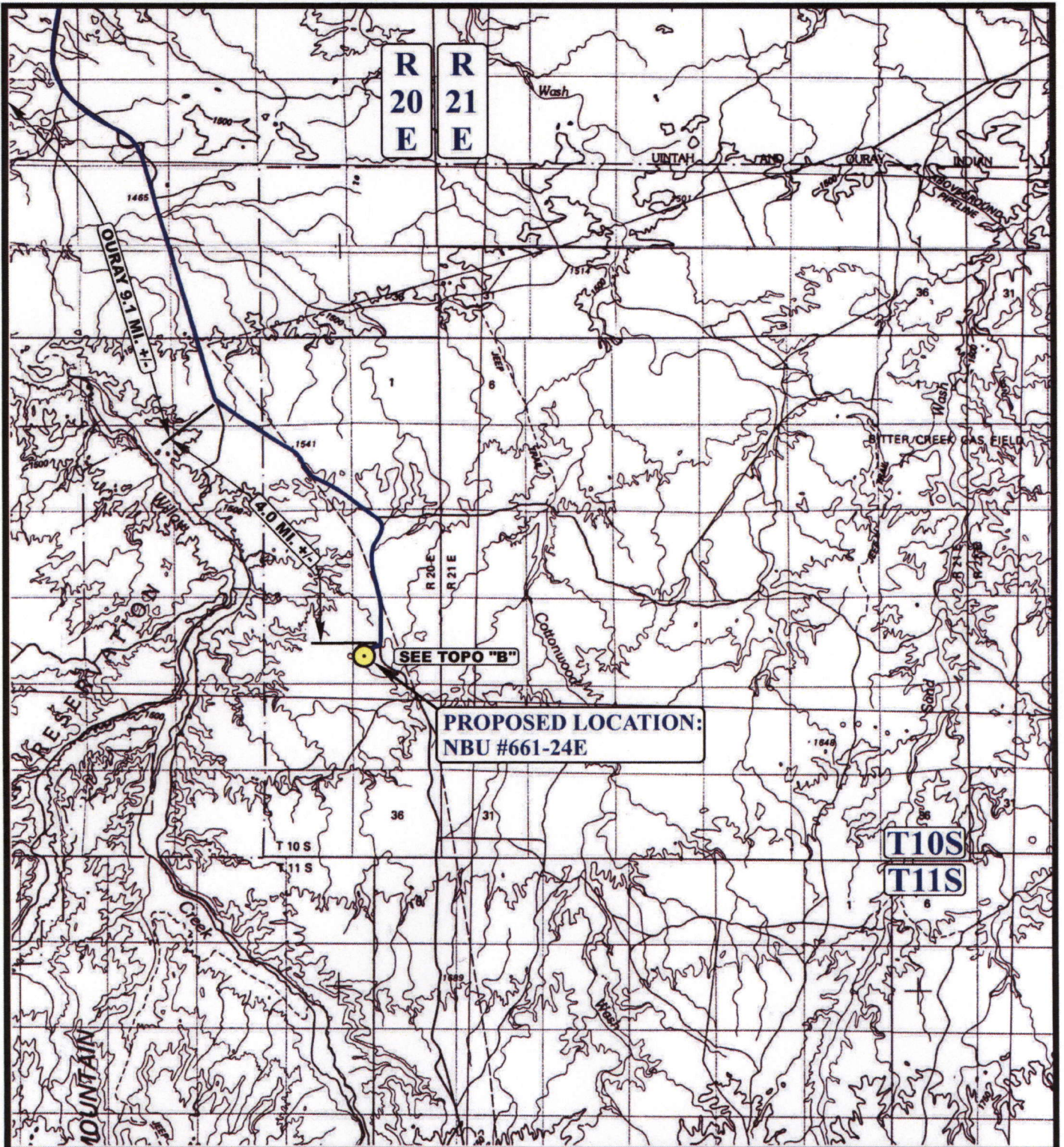
10 **17** **07**
MONTH DAY YEAR

PHOTO

TAKEN BY: A.F.

DRAWN BY: C.P.

REVISED: 00-00-00



LEGEND:

 PROPOSED LOCATION



EOG RESOURCES, INC.

NBU #661-24E
SECTION 24, T10S, R20E, S.L.B.&M.
1734' FSL 661' FWL



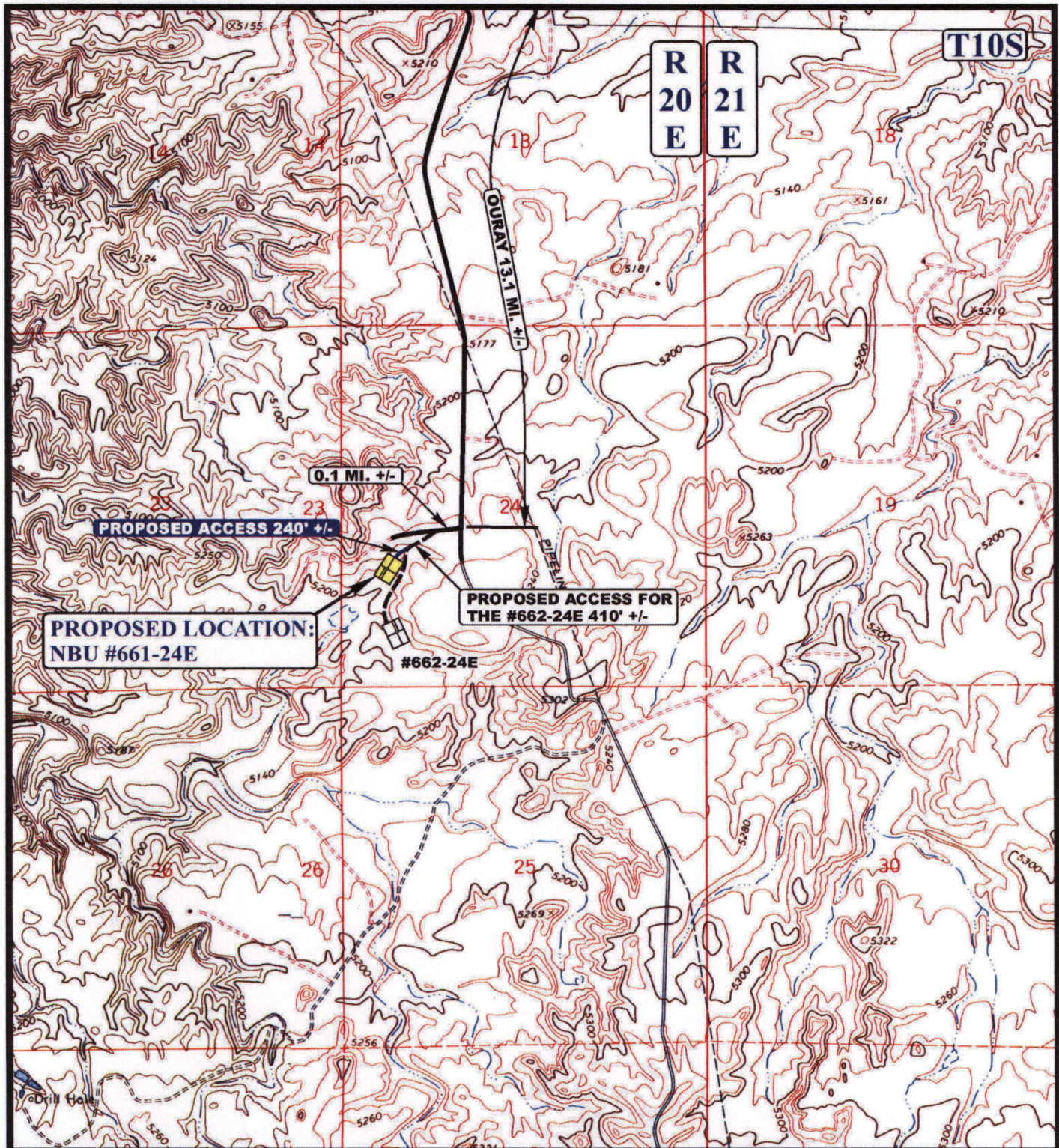
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85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

10 17 07
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00





LEGEND:

EXISTING ROAD
 PROPOSED ACCESS ROAD



EOG RESOURCES, INC.

NBU #661-24E
 SECTION 24, T10S, R20E, S.L.B.&M.
 1734' FSL 661' FWL



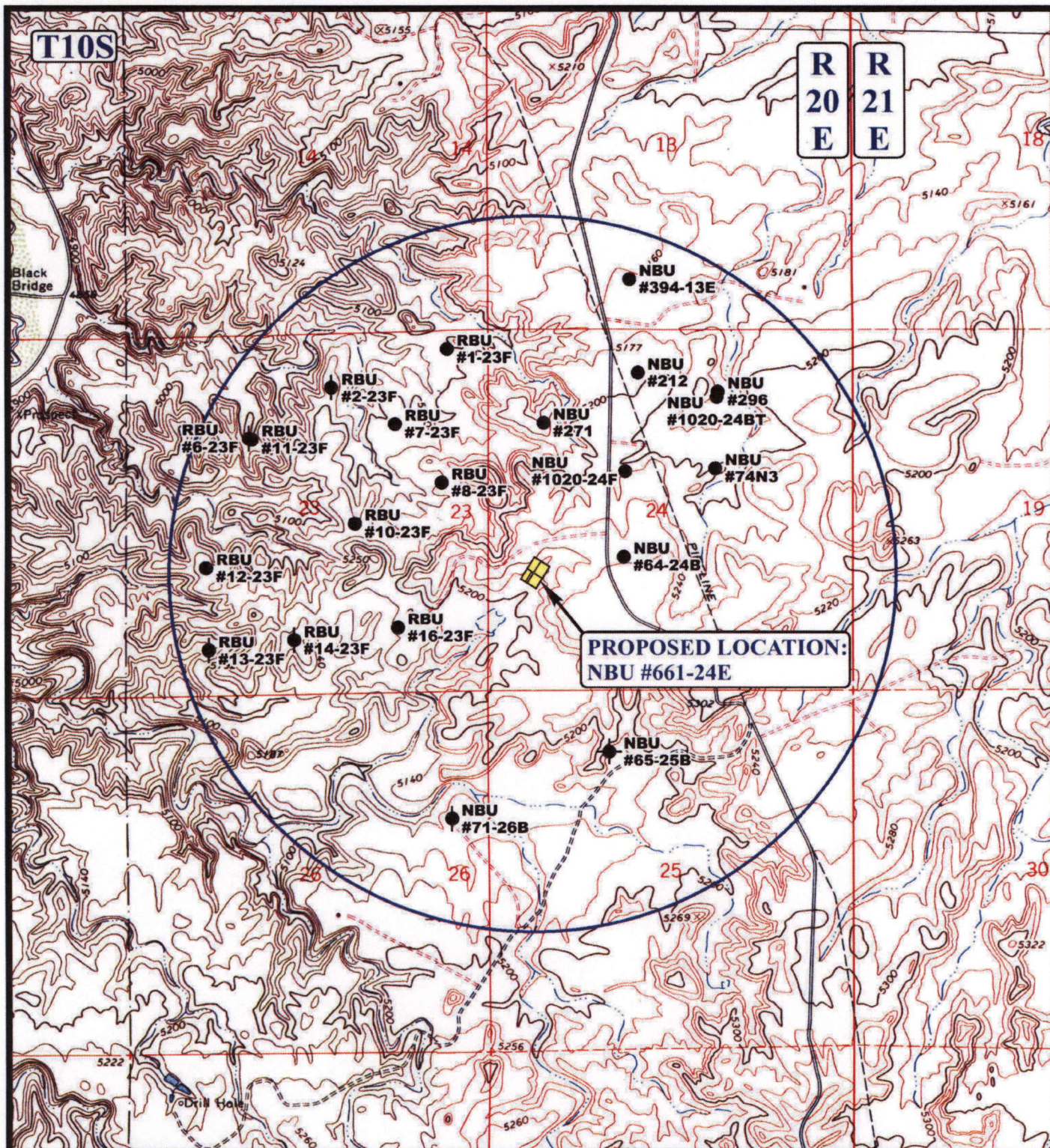
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TOPOGRAPHIC
MAP

10 17 07
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





LEGEND:

- | | |
|-------------------|-------------------------|
| ○ DISPOSAL WELLS | ○ WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ● SHUT IN WELLS | ● TEMPORARILY ABANDONED |

EOG RESOURCES, INC.

NBU #661-24E
SECTION 24, T10S, R20E, S.L.B.&M.
1734' FSL 661' FWL



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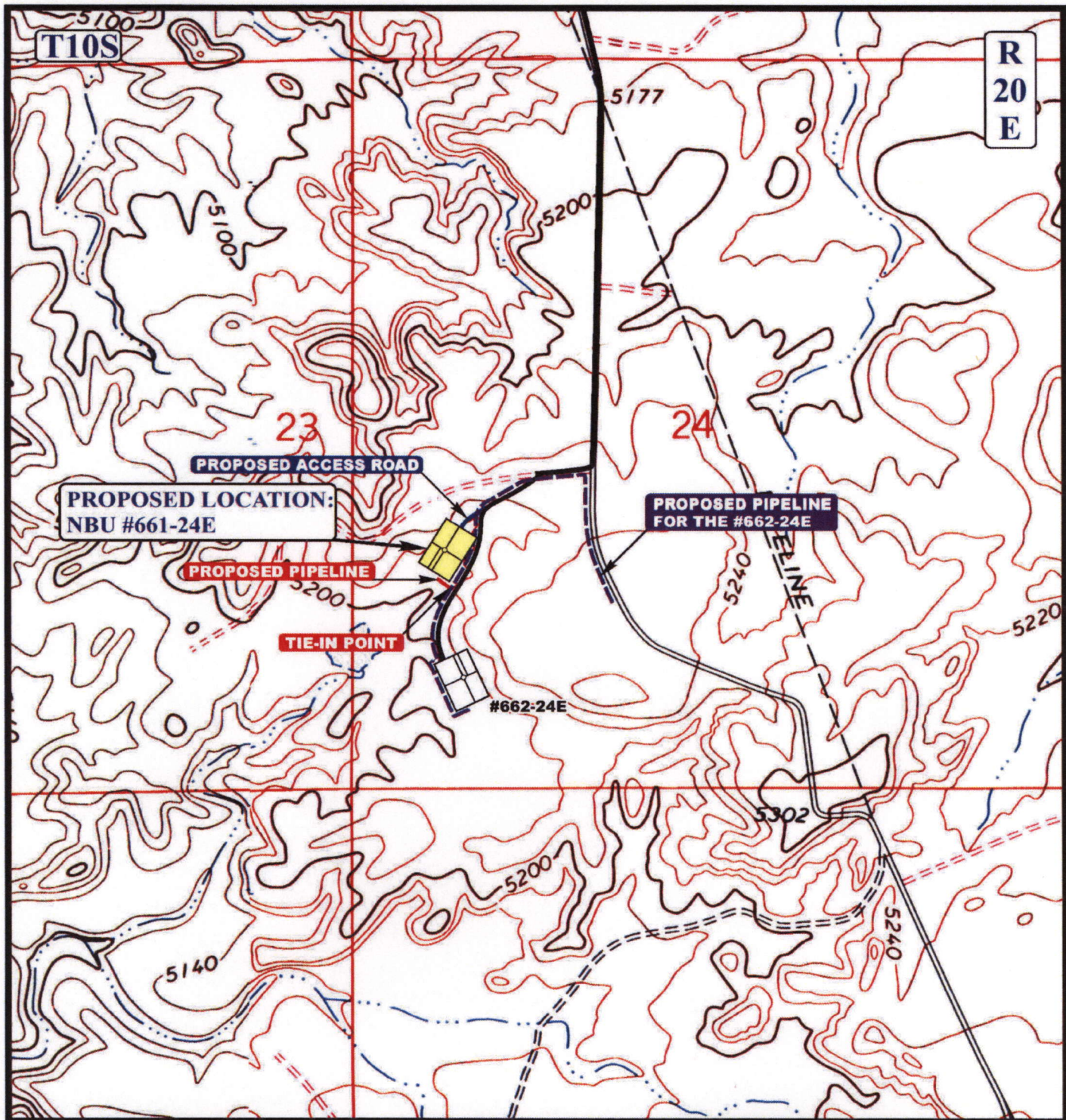


**TOPOGRAPHIC
MAP**

10 17 07
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 200' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- - - - - PROPOSED PIPELINE
- - - - - PROPOSED PIPELINE (SERVICING OTHER WELLS)



EOG RESOURCES, INC.

NBU #661-24E
SECTION 24, T10S, R20E, S.L.B.&M.
1734' FSL 661' FWL



Uintah Engineering & Land Surveying
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TOPOGRAPHIC MAP **10 17 07**
MONTH DAY YEAR
SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 00-00-00



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/13/2007

API NO. ASSIGNED: 43-047-50011

WELL NAME: NBU 661-24E

OPERATOR: EOG RESOURCES, INC. (N9550)

PHONE NUMBER: 303 824-5526

CONTACT: Mary Maestas

PROPOSED LOCATION:

NWSW 24 100S 200E

SURFACE: 1734 FSL 661 FWL

BOTTOM: 1734 FSL 661 FWL

COUNTY: UINTAH

LATITUDE: 39.93072 LONGITUDE: -109.6200

UTM SURF EASTINGS: 617920 NORTHINGS: 4420769

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DLD	1/4/08
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: ML-22790

SURFACE OWNER: 3 - State

PROPOSED FORMATION: NHORN

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

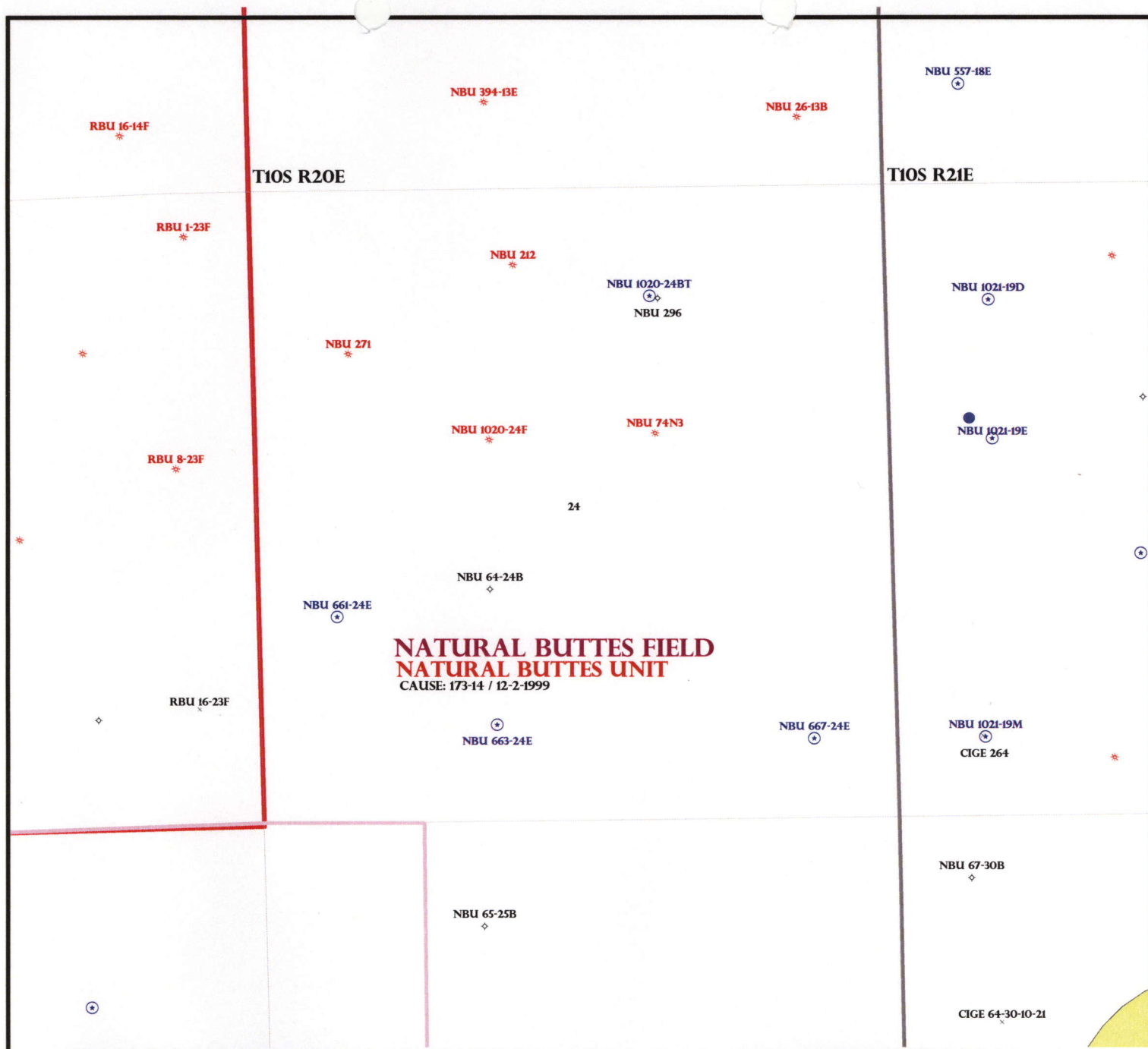
☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. NM2308)
N Potash (Y/N)
Y Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. #49-225)
N RDCC Review (Y/N)
(Date:)
N/A Fee Surf Agreement (Y/N)
N/A Intent to Commingle (Y/N)

LOCATION AND SITING:

 R649-2-3.
Unit: NATURAL BUTTES OK
 R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
 R649-3-3. Exception
☒ Drilling Unit
Board Cause No: 173.14
Eff Date: 12.2.99
Siting: 460' fr u/bdry & uncomm. Treas
 R649-3-11. Directional Drill

COMMENTS: Needs Permit (12-04-07)

STIPULATIONS: 1- OIL SHALE
2- STATEMENT OF BASIS
3- Surface Csg Cmt Step
4- Cmt Step #3 (4 1/2" production, 2100' mo)



OPERATOR: EOG RESOURCES INC (N9550)

SEC: 24 T.10S R. 20E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

Field Status

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



OIL, GAS & MINING



PREPARED BY: DIANA MASON
DATE: 27-NOVEMBER-2007

Application for Permit to Drill

Statement of Basis

12/18/2007

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
607	43-047-50011-00-00	FILED	GW	S	No
Operator	EOG RESOURCES, INC.		Surface Owner-APD		
Well Name	NBU 661-24E		Unit	NATURAL BUTTES	
Field	NATURAL BUTTES		Type of Work	DRILL	
Location	NWSW 24 10S 20E S 1734 FSL 661 FWL GPS Coord (UTM) 617920E 4420769N				

Geologic Statement of Basis

EOG proposes to set 2300' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 5,200'. A search of Division of Water Rights records shows 3 water wells within a 10,000 foot radius of the center of section 24. The wells are listed as industrial use wells for use in the oil shale industry and are over a mile from the proposed site. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought to above the base of the moderately saline groundwater in order to isolate it from fresher waters uphole.

Brad Hill

12/18/2007

APD Evaluator

Date / Time

Surface Statement of Basis

The general area is approximately 45 miles southwest of Vernal, Utah and 14 miles south of Ouray, Utah in the west end of the Natural Buttes oil field unit. The Seep ridge road bisects the section. The area is characterized by rolling hills and benches, which are frequently intersected by somewhat gentle to deep draws running westerly a distance of about 3 miles into Willow Creek or northerly about 12 miles to the White River. The draws are occasionally rimmed with steep side hills, which have exposed sand stone bedrock cliffs along the rims. Both Willow Creek and White River contain perennial streams. No other seeps, springs or streams are known to exist in the area. An occasional pond collecting runoff for livestock and antelope occurs. A pond is located about 1/8 mile to the southwest of the location.

The NBU # 661-24E proposed gas well is 13.5 miles southeast of Ouray and is accessed by the Uintah County Seep Ridge Road and existing or planned oil field development roads to within 240 feet of the site where a new road will be constructed. The location is west of the Seep Ridge road in irregular terrain with multiple swales. A ridge to the north abruptly ends into a swale and becomes a significant drainage at corner 8 and extends south beyond corner 1. Corner 8 needs to be rounded to the extent that this drainage can be diverted around the edge of the pad to the east and continue southerly along a constructed drainage. Also a diversion is needed west of the reserve pit extending in a southerly direction around the pit joining a drainage to the south. General slope of the terrain is to the southwest.

Both the surface and minerals are owned by SITLA. Ed Bonner and Jim Davis of SITLA were invited to the pre-site evaluation. Neither attended. Approximately 6 inches of snow covered the area. This investigation did not reveal any significant issues or situations, which should prohibit access to or drilling and operating the well at this site.

Daniel Emmett representing the UDWR stated the area is classified as yearlong crucial habitat for antelope but water not forage is the factor limiting the growth of the herd. He did not recommend any restrictions for this species. No other wildlife species are expected to be significantly affected. He furnished Byron Tolman representing EOG, a copy of his wildlife evaluation and a recommended seed mix to be used when the site is re-vegetated.

Application for Permit to Drill

Statement of Basis

12/18/2007

Utah Division of Oil, Gas and Mining

Page 2

Floyd Bartlett
Onsite Evaluator

12/4/2007
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator EOG RESOURCES, INC.
Well Name NBU 661-24E
API Number 43-047-50011-0 **APD No** 607 **Field/Unit** NATURAL BUTTES
Location: 1/4,1/4 NWSW **Sec** 24 **Tw** 10S **Rng** 20E 1734 FSL 661 FWL
GPS Coord (UTM) **Surface Owner**

Participants

Floyd Bartlett (DOGM), Byron Tolman (Agent for EOG), Daniel Emmett (Utah Division of Wildlife Resources)

Regional/Local Setting & Topography

The general area is approximately 45 miles southwest of Vernal, Utah and 14 miles south of Ouray, Utah in the west end of the Natural Buttes oil field unit. The Seep ridge road bisects the section. The area is characterized by rolling hills and benches, which are frequently intersected by somewhat gentle to deep draws running westerly a distance of about 3 miles into Willow Creek or northerly about 12 miles to the White River. The draws are occasionally rimmed with steep side hills, which have exposed sand stone bedrock cliffs along the rims. Both Willow Creek and White River contain perennial streams. No other seeps, springs or streams are known to exist in the area. An occasional pond collecting runoff for livestock and antelope occurs. A pond is located about 1/8 mile to the southwest of the location.

The NBU # 661-24E proposed gas well is 13.5 miles southeast of Ouray and is accessed by the Uintah County Seep Ridge Road and existing or planned oil field development roads to within 240 feet of the site where a new road will be constructed. The location is west of the Seep Ridge road in irregular terrain with multiple swales. A ridge to the north abruptly ends into a swale and becomes a significant drainage at corner 8 and extends south beyond corner 1. Corner 8 needs to be rounded to the extent that this drainage can be diverted around the edge of the pad to the east and continue southerly along a constructed drainage. Also a diversion is needed west of the reserve pit extending in a southerly direction around the pit joining a drainage to the south. General slope of the terrain is to the southwest.

This investigation did not reveal any significant issues or situations, which should prohibit access to or drilling and operating the well at this site.

Surface Use Plan

Current Surface Use

Grazing
Recreational
Wildlife Habitat

New Road

Miles	Well Pad	Src Const Material	Surface Formation
0.05	Width 276	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Approximately 6 inches of snow covered the area. Identifiable plants included broom snakeweed, shadscale, cheat grass greasewood and Gardner saltbrush.

Antelope, coyotes, rabbits and miscellaneous small mammals and birds.

Soil Type and Characteristics

Shallow sandy clay loam with some surface rock is the probable surface soil.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required Y

. Corner 8 needs to be rounded to the extent that this drainage can be diverted around the edge of the pad to the east and continue southerly along a constructed drainage.

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? N **Paleo Potential Observed?** N **Cultural Survey Run?** Y **Cultural Resources?** N

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0
Final Score		30
		1
		Sensitivity Level

Characteristics / Requirements

A 75' x 175' x 10' deep reserve pit is planned in an area of cut on the southwest corner of the location. It will be lined with a 16-mil liner with an appropriate thickness of felt sub- liner.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

ATV's were used to access the site.
GPS was not working. Center Stake location was not recorded.

Floyd Bartlett
Evaluator

12/4/2007
Date / Time

2007-12 EOG NBU 661-24E

Casing Schematic

BHP $0.052(7263)10.5 = 3966 \text{ psi}$
Anticipate 3966 psi

Gas $.12(7263) = 872$
 $3966 - 872 = \text{2894 psi}$

BOPE 5M ✓

Burst 3520
70% 2464 psi

Max P@ surf. shoe
 $.22(4963) = 1092$
 $3966 - 1092 = \text{2874 psi}$

Lent to 2400 psi ✓

Stop surf. cnt.

✓ Adequate
1/4/08

9-5/8"
MW 8.4
Frac 19.3

4-1/2"
MW 10.5

12%
15%

Surface

Venta

TOC @ 652. to surf w/ 6% ✓
#stop

1164' Green River
⇒ EOG cnt to surf tail
500' above shoe

1877' TOC tail

Surface
2300. MD

TOC @ 3373.

Proposed: ✓
⇒ Cnt to 2100 tail to
400' above Wasatch
Proposed Vol. = 9 wge hole

4468' Wasatch

4918' TOC tail
5097' Chapita Wells
5200' ± BMSW

5801' Buck Canyon

6577' North Horn

Production
7263. MD

Well name:

2007-12 EOG NBU 661-24EOperator: **EOG Resources Inc.**String type: **Surface**

Project ID:

43-047-50011Location: **Uintah County****Design parameters:****Collapse**

Mud weight: 8.400 ppg

Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 107 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 290 ft

Cement top: 652 ft

Burst

Max anticipated surface pressure:

2,028 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 2,304 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 2,014 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 7,263 ft

Next mud weight: 10.500 ppg

Next setting BHP: 3,962 psi

Fracture mud wt: 19.250 ppg

Fracture depth: 2,306 ft

Injection pressure: 2,306 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2300	9.625	36.00	J-55	ST&C	2300	2300	8.796	998.3
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1004	2020	2.013	2304	3520	1.53	73	394	5.43 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & MineralsPhone: 801-538-5357
FAX: 801-359-3940Date: December 28, 2007
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 2300 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	2007-12 EOG NBU 661-24E	
Operator:	EOG Resources Inc.	Project ID:
String type:	Production	43-047-50011
Location:	Uintah County	

Design parameters:
Collapse

Mud weight: 10.500 ppg
Design is based on evacuated pipe.

Minimum design factors:
Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 177 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 3,373 ft

Burst

Max anticipated surface pressure: 2,364 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 3,962 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.
Neutral point: 6,123 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	7263	4.5	11.60	N-80	LT&C	7263	7263	3.875	633.8
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3962	6350	1.603	3962	7780	1.96	71	223	3.14 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Minerals

Phone: 801-538-5357
FAX: 801-359-3940

Date: December 28, 2007
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 7263 ft, a mud weight of 10.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

From: Jim Davis
To: Mason, Diana
Date: 7/30/2008 4:03 PM
Subject: SITLA APD approval 7/30/08

CC: Bonner, Ed; Garrison, LaVonne
The following wells have been approved by SITLA including arch and paleo clearance.

Operator	Well Name	API #
Kerr McGEE	NBU 921-26M2AS	4304740113
Kerr McGEE	NBU 922-32O1T	4304740116
Kerr McGEE	NBU 922-29J	4304740119
ConocoPhillips	Utah 17-1174	4300731418
EOG Res	NBU 672-25E	4304750028
XTO Energy	St of Ut 16-8-32-23D	4301530741
XTO Energy	St of Ut 16-8-31-43D	4301530742
Gasco Prod	Gate Cyn St 12-21-11-15	4301333858
Gasco Prod	State 42-32-9-19	4304739795
National Fuel	NFC Lindisfarne St 43-35	4304739852
EOG Resources	NBU 642-13E	4304750013
EOG Resources	NBU 640-13E	4304750014
EOG Resources	NBU 663-24E	4304750010
EOG Resources	NBU 661-24E	4304750011
Kerr McGEE	NBU 921-34MT	4304739402
Kerr McGEE	NBU 1022-25H	4304739033
Kerr McGEE	State 1022-25I	4304739034
Westport O&G	State 921-32N	4304737957
Westport O&G	State 921-32O	4304737958
EOG Resources	NBU 638-13E	4304750016

-Jim Davis



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

July 31, 2008

EOG Resources, Inc.
1060 East Highway 40
Verbal, UT 84078

Re: NBU 661-24E Well, 1734' FSL, 661' FWL, NW SW, Sec. 24, T. 10 South, R. 20 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-50011.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office
SITLA

Operator: EOG Resources, Inc.

Well Name & Number NBU 661-24E

API Number: 43-047-50011

Lease: ML-22790

Location: NW SW **Sec.** 24 **T.** 10 South **R.** 20 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at: (801) 538-5338 office (801) 942-0871 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.
7. Surface casing shall be cemented to the surface.
8. Cement volume for the 4 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 2100' MD in order to adequately isolate the Green River formation.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: EOG RESOURCES INC

Well Name: NBU 661-24E

Api No: 43-047-50011 Lease Type: STATE

Section 24 Township 10S Range 20E County UINTAH

Drilling Contractor CRAIG'S ROUSTABOUT SERV RIG # RATHOLE

SPUDDED:

Date 02/11/2009

Time 8:30 AM

How DRY

Drilling will Commence: _____

Reported by JERRY BARNES

Telephone # (435) 828-1720

Date 02/11/2009 Signed CHD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: EOG RESOURCES Operator Account Number: N 9550
Address: 1060 East Highway 40
city VERNAL
state UT zip 84078 Phone Number: (435) 781-9145

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-38632	NATURAL BUTTES UNIT 762-26E		SWNE	26	10S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>AB</u>	99999	<u>2900</u>	2/9/2009		<u>2/19/09</u>		
Comments: <u>WASATCH = WSMVD</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-50017	NATURAL BUTTES UNIT 662-24E		SWSW	24	10S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>AB</u>	99999	<u>2900</u>	2/9/2009		<u>2/19/09</u>		
Comments: <u>WASATCH</u> <u>NHORN = WSTC = WSMVD</u>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-50011	NAUTAL BUTTES UNIT 661-24E		NWSW	24	10S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>AB</u>	99999	<u>2900</u>	2/11/2009		<u>2/19/09</u>		
Comments: <u>WASATCH</u> <u>NHORN = WSTC = WSMVD</u>							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Mickenzie Thacker

Name (Please Print)

Mickenzie Thacker

Signature

Operations Clerk

2/12/2009

Title

Date

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FEB 17 2009

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22790
2. NAME OF OPERATOR: EOG Resources, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1060 East Highway 40 Vernal UT 84078		7. UNIT or CA AGREEMENT NAME: Natural Buttes
PHONE NUMBER: (435) 781-9145		8. WELL NAME and NUMBER: Natural Buttes Unit 661-24E
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1734' FSL & 661' FWL 39.930678 Lat 109.620711 Lon		9. API NUMBER: 43-047-50011
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 24 10S 20E S		10. FIELD AND POOL, OR WILDCAT: Natural Buttes/Wasatch
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Well Spud
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The referenced well was spud on 2/11/2009.

NAME (PLEASE PRINT) Mickenzie Thacker	TITLE Operations Clerk
SIGNATURE <i>Mickenzie Thacker</i>	DATE 2/12/2009

(This space for State use only)

RECEIVED

FEB 17 2009

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22790
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: EOG Resources, Inc.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000 N , Denver, CO, 80202		8. WELL NAME and NUMBER: NBU 661-24E
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1734 FSL 0661 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 24 Township: 10.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047500110000
PHONE NUMBER: 435 781-9111 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/18/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: _____	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The referenced well was turned to sales on 6/18/2009. Please see the attached operations summary report for drilling and completion operations performed on the subject well.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 23, 2009		
NAME (PLEASE PRINT) Mary Maestas	PHONE NUMBER 303 824-5526	TITLE Regulatory Assistant
SIGNATURE N/A	DATE 6/22/2009	

WELL CHRONOLOGY REPORT

Report Generated On: 06-22-2009

Well Name	NBU 661-24E	Well Type	DEVG	Division	DENVER
Field	NATURAL BUTTES UNIT	API #	43-047-50011	Well Class	1SA
County, State	UINTAH, UT	Spud Date	03-06-2009	Class Date	06-18-2009
Tax Credit	N	TVD / MD	7,263/ 7,263	Property #	062368
Water Depth	0	Last CSG	4.5	Shoe TVD / MD	7,256/ 7,256
KB / GL Elev	5,230/ 5,217				
Location	Section 24-T10S-R20E, NWSW, 1734 FSL & 661 FWL				

Event No	1.0	Description	DRILL & COMPLETE		
Operator	EOG RESOURCES, INC	WI %	100.0	NRI %	73.947

AFE No		306040		AFE Total		1,287,935		DHC / CWC		567,835/ 720,100													
Rig Contr		ELENBURG		Rig Name		ELENBURG #29		Start Date		08-26-2008		Release Date		03-10-2009									
08-26-2008		Reported By		SHEILA MALLOY																			
DailyCosts: Drilling		\$0		Completion		\$0		Daily Total		\$0													
Cum Costs: Drilling		\$0		Completion		\$0		Well Total		\$0													
MD		0		TVD		0		Progress		0		Days		0		MW		0.0		Visc		0.0	
Formation :				PBTD : 0.0				Perf :				PKR Depth : 0.0											

Activity at Report Time: LOCATION DATA

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION DATA
			1734' FSL & 661' FWL (NW/SW)
			SECTION 24, T10S, R20E
			UINTAH COUNTY, UTAH
			LAT 39.930678, LONG 109.620711 (NAD 83)
			LAT 39.930714, LONG 109.620022 (NAD 27)
			ELENBURG #29
			OBJECTIVE: 7263' TD, WASATCH
			DW/GAS
			NATURAL BUTTES PROSPECT
			DD&A: NATURAL BUTTES
			NATURAL BUTTES FIELD
			LEASE: ML-22790
			ELEVATION: 5219.9' NAT GL, 5216.8' PREP GL (DUE TO ROUNDING THE PREP GL WILL BE 5217'), 5230' KB (13')
			EOG WI 100%, NRI 73.946716%
			EOG APO WI 66.67%, NRI 49.394976%

RECEIVED June 22, 2009

01-30-2009 Reported By TERRY CSERE

DailyCosts: Drilling \$64,500 Completion \$0 Daily Total \$64,500

Cum Costs: Drilling \$64,500 Completion \$0 Well Total \$64,500

MD 0 TVD 0 Progress 0 Days 0 MW 0.0 Visc 0.0

Formation : PBTB : 0.0 Perf : PKR Depth : 0.0

Activity at Report Time: BUILD LOCATION

Start	End	Hrs	Activity Description
06:00	06:00	24.0	START LOCATION TODAY 1/30/09.

02-02-2009 Reported By TERRY CSERE

DailyCosts: Drilling \$0 Completion \$0 Daily Total \$0

Cum Costs: Drilling \$64,500 Completion \$0 Well Total \$64,500

MD 0 TVD 0 Progress 0 Days 0 MW 0.0 Visc 0.0

Formation : PBTB : 0.0 Perf : PKR Depth : 0.0

Activity at Report Time: BUILD LOCATION

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION 10% COMPLETE.

02-03-2009 Reported By TERRY CSERE

DailyCosts: Drilling \$0 Completion \$0 Daily Total \$0

Cum Costs: Drilling \$64,500 Completion \$0 Well Total \$64,500

MD 0 TVD 0 Progress 0 Days 0 MW 0.0 Visc 0.0

Formation : PBTB : 0.0 Perf : PKR Depth : 0.0

Activity at Report Time: BUILD LOCATION

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION 20% COMPLETE.

02-04-2009 Reported By TERRY CSERE

DailyCosts: Drilling \$0 Completion \$0 Daily Total \$0

Cum Costs: Drilling \$64,500 Completion \$0 Well Total \$64,500

MD 0 TVD 0 Progress 0 Days 0 MW 0.0 Visc 0.0

Formation : PBTB : 0.0 Perf : PKR Depth : 0.0

Activity at Report Time: BUILD LOCATION

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION 30% COMPLETE.

02-05-2009 Reported By TERRY CSERE

DailyCosts: Drilling \$0 Completion \$0 Daily Total \$0

Cum Costs: Drilling \$64,500 Completion \$0 Well Total \$64,500

MD 0 TVD 0 Progress 0 Days 0 MW 0.0 Visc 0.0

Formation : PBTB : 0.0 Perf : PKR Depth : 0.0

Activity at Report Time: BUILD LOCATION

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION 35% COMPLETE.

02-06-2009 Reported By TERRY CSERE

DailyCosts: Drilling \$0 **Completion** \$0 **Daily Total** \$0
Cum Costs: Drilling \$64,500 **Completion** \$0 **Well Total** \$64,500
MD 0 **TVD** 0 **Progress** 0 **Days** 0 **MW** 0.0 **Visc** 0.0
Formation : **PBTD :** 0.0 **Perf :** **PKR Depth :** 0.0
Activity at Report Time: BUILD LOCATION
Start End Hrs Activity Description
06:00 06:00 24.0 LOCATION 40% COMPLETE.

02-09-2009 Reported By TERRY CSERE

DailyCosts: Drilling \$0 **Completion** \$0 **Daily Total** \$0
Cum Costs: Drilling \$64,500 **Completion** \$0 **Well Total** \$64,500
MD 0 **TVD** 0 **Progress** 0 **Days** 0 **MW** 0.0 **Visc** 0.0
Formation : **PBTD :** 0.0 **Perf :** **PKR Depth :** 0.0
Activity at Report Time: BUILD LOCATION
Start End Hrs Activity Description
06:00 06:00 24.0 LOCATION 45% COMPLETE.

02-10-2009 Reported By TERRY CSERE

DailyCosts: Drilling \$0 **Completion** \$0 **Daily Total** \$0
Cum Costs: Drilling \$64,500 **Completion** \$0 **Well Total** \$64,500
MD 0 **TVD** 0 **Progress** 0 **Days** 0 **MW** 0.0 **Visc** 0.0
Formation : **PBTD :** 0.0 **Perf :** **PKR Depth :** 0.0
Activity at Report Time: BUILD LOCATION
Start End Hrs Activity Description
06:00 06:00 24.0 LINE TOMORROW. WEATHER PERMITTING.

02-11-2009 Reported By TERRY CSERE/JERRY BARNES

DailyCosts: Drilling \$0 **Completion** \$0 **Daily Total** \$0
Cum Costs: Drilling \$64,500 **Completion** \$0 **Well Total** \$64,500
MD 60 **TVD** 60 **Progress** 0 **Days** 0 **MW** 0.0 **Visc** 0.0
Formation : **PBTD :** 0.0 **Perf :** **PKR Depth :** 0.0
Activity at Report Time: WO/AIR RIG
Start End Hrs Activity Description
06:00 06:00 24.0 LINE TODAY. CRAIGS ROUSTABOUT SERVICE SPUD A 26" HOLE ON 2/11/09 @ 9:30 AM. SET 60' OF 16" CONDUCTOR. CEMENT TO SURFACE WITH READY MIX. JERRY BARNES NOTIFIED CAROL DANIELS W/UDOGM AND MICHAEL LEE W/BLM OF THE SPUD 2/11/09 @ 8:30 AM.

02-12-2009 Reported By TERRY CSERE

DailyCosts: Drilling \$0 **Completion** \$0 **Daily Total** \$0
Cum Costs: Drilling \$64,500 **Completion** \$0 **Well Total** \$64,500
MD 60 **TVD** 60 **Progress** 0 **Days** 0 **MW** 0.0 **Visc** 0.0
Formation : **PBTD :** 0.0 **Perf :** **PKR Depth :** 0.0
Activity at Report Time: WO/AIR RIG
Start End Hrs Activity Description

06:00 06:00 24.0 LOCATION COMPLETE.

02-27-2009 **Reported By** KYLAN COOK**DailyCosts: Drilling** \$270,508 **Completion** \$0 **Daily Total** \$270,508**Cum Costs: Drilling** \$335,008 **Completion** \$0 **Well Total** \$335,008**MD** 2,458 **TVD** 2,458 **Progress** 0 **Days** 0 **MW** 0.0 **Visc** 0.0**Formation :** **PBTD : 0.0** **Perf :** **PKR Depth : 0.0****Activity at Report Time:** WORT**Start** **End** **Hrs** **Activity Description**

06:00 06:00 24.0 MIRU CRAIG'S AIR RIG #3 ON 2/22/2009. DRILLED 12-1/4" HOLE TO 2445' GL (2458' KB). ENCOUNTERED WATER AT 1552'. FLUID DRILLED FROM 1582' WITH NO RETURNS. RAN 57 JTS (2439.92') OF 9-5/8", 36.0#, J-55, ST&C CASING WITH HALLIBURTON GUIDE SHOE AND FLOAT COLLAR. 8 CENTRALIZERS SPACED MIDDLE OF SHOE JOINT AND EVERY COLLAR TILL GONE. LANDED @ 2452' KB. RDMO CRAIG'S RIG.

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 2000 PSIG. PUMPED 188 BBLs FRESH WATER & 20 BBLs GELLED WATER FLUSH AHEAD OF CEMENT. MIXED & PUMPED 300 SX (63 BBLs) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.6 PPG W/YIELD OF 1.18 CF/SX. DISPLACED CEMENT W/185 BBLs FRESH WATER. BUMPED PLUG W/530# @ 7:40 PM, 2/25/2009. CHECKED FLOAT, FLOAT HELD. SHUT-IN CASING VALVE. NO RETURNS.

TOP JOB # 1: MIXED & PUMPED 100 SX (21 BBLs) OF PREMIUM CEMENT W/3% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 3 HRS.

TOP JOB # 2: MIXED & PUMPED 150 SX (31 BBLs) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 3 HRS 20 MINUTES.

TOP JOB # 3: MIXED & PUMPED 200 SX (41 BBLs) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. HOLE FILLED AND STOOD FULL. RDMO HALLIBURTON CEMENTERS.

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

CRAIG'S RIG #3 TOOK SURVEYS WHILE DRILLING HOLE @ 1382' = 1.0 DEGREE, 2085' = 3.0 DEGREES & 2422' = 2.0 DEGREES.

CONDUCTOR LEVEL RECORD: PS= 89.8 OPS= 89.9 VDS= 89.8 MS= 89.8.

9 5/8 CASING LEVEL RECORD: PS= 89.9 OPS= 89.9 VDS= 89.8 MS= 89.8.

DANNY FARNSWORTH NOTIFIED FLOYD W/ UDOGM OF THE SURFACE CASING & CEMENT JOB ON 2-23-09 @ 10:00 AM.

03-06-2009 **Reported By** DUANE C WINKLER**DailyCosts: Drilling** \$46,305 **Completion** \$1,470 **Daily Total** \$47,775**Cum Costs: Drilling** \$381,313 **Completion** \$1,470 **Well Total** \$382,783**MD** 3,210 **TVD** 3,210 **Progress** 765 **Days** 0 **MW** 0.0 **Visc** 0.0**Formation :** **PBTD : 0.0** **Perf :** **PKR Depth : 0.0****Activity at Report Time:** DRILLING @ 3210'**Start** **End** **Hrs** **Activity Description**

06:00 07:00 1.0 RDRT

07:00 10:00 3.0 MOVE RIG 2.4 MILE AND RIG UP WITH TRUCKS

*****RIG ON DAY WORK 10:00 3-05-09*****

10:00	14:00	4.0 NIPPLE UP BOP/DIVERTER
14:00	18:30	4.5 TEST BOPS/DIVERTER, TEST ALL VALVES ON CHOKE MANIFOLD, CHOKE LINE AND KILL LINE TESTED RAMS AND HYDRIL AND CASING, ALL 5K EQUIPMENT TO 5,000 HIGH AND 250 LOW, HYDRIL 2,500 HIGH AND 250 LOW, CASING TO 1,500, ALL TESTED.
18:30	19:00	0.5 INSTALL WEAR BUSHING
19:00	22:30	3.5 TRIP IN HOLE WITH BHA
22:30	23:00	0.5 DRILLED FLOAT COLLAR, CEMENT, FLOAT SHOE
23:00	00:00	1.0 FIT TEST, PRESSURE WITH WATER TO 400 PSIG, EMW 11.3, DEVIATION SURVEY 2439' @ 2 DEGREE
00:00	06:00	6.0 DRILLED 2445' TO 3210', (765'), ROP 127, MW 9.3, VIS 34, GPM 420, NO LOSS/GAIN

EMAILED BLM VERNAL JAMIE SPARGER ON 3/4/2009 RIG MOVE ON 3/5/2009 TO 661-24E @ 0730 AND BOPE TEST 1600 HRS

TRANSFERED FROM NBU 762-26E TO NBU 661-24E 6 JTS 4.5 P110 X 11.6 X LTC CASING (260.57') 8239 GLS DIESEL, RIG MOVE WAS 2.4 MILES.

NO ACCIDENTS / INCIDENTS

NO RIG REPAIRS:

FULL CREWS

SAFETY MEETING: PPE

SAFETY MEETING # 2 THIRD PARTY SAFETY MEETING

FUEL ON HAND 7474 GLS, USED 765 GLS

TEST CROWN-O-MATIC, BOP DRIL

06:00 SPUD A 7 7/8" HOLE WITH ROTARY TOOL AT 00:00 HRS, 3/06/09.

03-07-2009 **Reported By** DUANE C WINKLER

DailyCosts: Drilling	\$28,739	Completion	\$0	Daily Total	\$28,739
Cum Costs: Drilling	\$410,200	Completion	\$1,470	Well Total	\$411,670

MD	5,703	TVD	5,703	Progress	2,493	Days	1	MW	10.1	Visc	34.0
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Formation :	PBTD : 0.0	Perf :	PKR Depth : 0.0
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Activity at Report Time: DRILLING @ 5703'

Start	End	Hrs	Activity Description
06:00	08:00	2.0	DRILLED 3210' TO 3436', (226'), ROP 113, MW 9.6, VIS 35, GPM 420, NO LOSS/GAIN
08:00	08:30	0.5	DEVIATION SURVEY 3391 @ 2 DEGREE
08:30	13:00	4.5	DRILLED 3436' TO 3935', (499'), ROP 110, MW 9.8, VIS 35, GPM 420, NO LOSS/GAIN
13:00	13:30	0.5	SERVICE RIG
13:30	06:00	16.5	DRILLED 3935' TO 5703', (1768'), ROP 107, MW 10.1, VIS 34, GPM 420, NO LOSS/GAIN.

NO ACCIDENTS / INCIDENTS

NO RIG REPAIRS:

FULL CREWS

SAFETY MEETING:# 1 BOOM CLAMP

SAFETY MEETING # 2 HOUSE CLEANING

FUEL ON HAND 5587 GLS, USED 1887 GLS

TEST CROWN-O-MATIC, BOP DRIL

03-08-2009 Reported By DUANE C WINKLER

DailyCosts: Drilling	\$27,852	Completion	\$1,365	Daily Total	\$29,217
Cum Costs: Drilling	\$438,052	Completion	\$2,835	Well Total	\$440,887

MD	6,972	TVD	6,972	Progress	1,269	Days	2	MW	10.4	Visc	34.0
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Formation :	PBTD : 0.0	Perf :	PKR Depth : 0.0
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Activity at Report Time: DRILLING @ 6972'

Start	End	Hrs	Activity Description
06:00	13:30	7.5	DRILLED 5703' TO 6247', (544'), ROP 72, MW 10.2, VIS 36, GPM 420, NO LOSS/GAIN
13:30	14:00	0.5	SERVICE RIG
14:00	04:00	14.0	DRILLED 6247' TO 6927' MW 10.5, VIS 34, GPM 420, NO LOSS/GAIN. CHANGE TIME TO DST, LOST ONE HOUR.

05:00	06:00	1.0	DRILLED TO 6927-6972'.
			NO ACCIDENTS / INCIDENTS
			NO RIG REPAIRS:
			FULL CREWS
			SAFETY MEETING:# 1 OPERATING FORKLIFT
			SAFETY MEETING # 2 RIG SERVICE
			FUEL ON HAND 4231 GLS, USED 1356 GLS
			TEST CROWN-O-MATIC, BOP DRIL

03-09-2009 Reported By DUANE C WINKLER

DailyCosts: Drilling	\$51,504	Completion	\$120,420	Daily Total	\$171,924
Cum Costs: Drilling	\$489,557	Completion	\$123,255	Well Total	\$612,812

MD	7,263	TVD	7,263	Progress	291	Days	3	MW	11.0	Visc	36.0
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Formation :	PBTD : 0.0	Perf :	PKR Depth : 0.0
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Activity at Report Time: RIG REPAIR (ENGINE)

Start	End	Hrs	Activity Description
06:00	12:00	6.0	DRILLED 6972' TO 7199', (227'), ROP 38, MW 10.8, VIS 36, GOM 420, NO LOSS/GAIN.
12:00	12:30	0.5	SERVICE RIG
12:30	14:00	1.5	DRILLED 7199' TO 7263', (64'), ROP 42, MW 10.8, VIS 36, GPM 420, NO LOSS/GAIN. REACHED TD @ 14:00 HRS, 3/8/2009.
14:00	14:30	0.5	SHORT TRIP, NO FLOW, GOOD WELL BORE
14:30	15:00	0.5	CIRCULATE, DROP SURVEY, PUMP 30 BBL 12.5 PILL, 3/8/2009 CASING POINT @ 15:30
15:00	16:00	1.0	TRIP OUT OF HOLE TO 6380' TRANSMISSION OVERHEATING.
16:00	06:00	14.0	RIG REPAIR, CHANGED OUT MOTOR AND TRANSMISSION ON RIG. WAITING ON MECHANIC TO DETERMINE ELECTRICAL PROBLEM ON ENGINE. EXPECTED START UP IN SEVERAL HOURS. CIRCULATING AND MOVING PIPE DOWN. EXTENDED PLAN WILL BE TO RUN BACK TO BOTTOM CIRC BOTTOMS UP, SHORT TRIP AGAIN AND PROCEED TO RUN 4.5" CASING.

NO ACCIDENTS / INCIDENTS

FULL CREWS

SAFETY MEETING:# 1 MAKING CONNECTIONS

SAFETY MEETING # 2 THIRD PARTY SAFETY MEETING

FUEL ON HAND 7876 GLS, USED 1306 GLS

TEST CROWN-O-MATIC, BOP DRIL

03-10-2009		Reported By		DUANE C WINKLER							
DailyCosts: Drilling		\$22,680		Completion		\$27,630		Daily Total		\$50,310	
Cum Costs: Drilling		\$512,237		Completion		\$150,885		Well Total		\$663,122	
MD	7,263	TVD	7,263	Progress	0	Days	4	MW	11.1	Visc	38.0
Formation :		PBTD : 0.0				Perf :		PKR Depth : 0.0			

Activity at Report Time: ND BOP / CLEAN MUD TANKS

Start	End	Hrs	Activity Description
06:00	09:00	3.0	RIG REPAIR, COMPLETE INSTALL OF NEW MOTOR AND TRANSMISSION
09:00	10:00	1.0	TRIP IN HOLE TO BTM
10:00	11:00	1.0	CIRCULATE, MW 11.1, VIS 38, SHORT TRIP, CIRCULATE, PUMP 30 BBL 12.5 DRY PILL
11:00	16:30	5.5	TRIP OUT OF HOLE LAY DOWN PIPE & BHA
16:30	18:00	1.5	PULL WEAR BUSHING. RIG UP CASERS / SAFETY MEETING.
18:00	00:00	6.0	RUN 167 JTS.4.5" CASING #11.6, N-80, LTC: SHOE @ 7254.78, 1 JT. CSG 42.29, FLOAT COLLAR @ 7210.29', 15 JTS. CSG, 1 MARKER JT, @ 6536.96', 59 JTS CSG, 1 MARKER JT. @ 3960.27', 92 JTS. CSG, 1 PUP JT. HANGER TOOLS SET @ 7256.68'. 25 CENTRALIZERS.
00:00	01:30	1.5	TAG @ 7263'. SET HANGER W/ 75K, CIRCULATE.
01:30	03:30	2.0	HELD SAFETY MEETING, CEMENT 4.5" CSG, PRESSURE TEST LINES TO 5000 PSI. RELEASE BOTTOM PLUG, PUMP 20 BBLS MUD FLUSH FOLLOWED BY 20 BBLS WATER, FOLLOWED BY LEAD CEMENT, 460 SKS OF Highbond 75 CEMENT, 140 BBLS) MIXED @ 12.0 PPG, YIELD 1.83 FT3/SK FOLLOWED BY 850 SKS OF EXTENDACHEM (221 BBLS) MIXED @ 13.5 PPG. SHUT DOWN & WASH UP LINES, RELEASE TOP PLUG, DISPLACE WITH 112.2 BBLS WATER. BUMP PLUG WITH 3077 PSI. 1000 PSI OVER LIFT PRESSURE. FLOATS HELD, GOOD RETURNS DURING JOB. NO CEMENT RETURNS TO SURFACE.
03:30	04:30	1.0	WAIT ON CEMENTING, RIG DOWN HALLIBURTON EQUIPMENT
04:30	05:30	1.0	L/DN LANDING JT. SET HANGER PACKING, TEST TO # 5000 PSI
05:30	06:00	0.5	NIPPLE DOWN BOP
3/9/2009 @ 1600 NOTIFIED STATE OF UTAH, CAROL DAVIS, 801-538-5284 ON 3/10/2009 RIG MOVE ON 3/10/2009 TO 666-24E @ 10:00 AND BOPE TEST 1900 HRS, TRANSFERED FROM NBU 661-24E TO NBU 666-24E 5 JTS 4.5 P110 X 11.6 X LTC CASING (217.94') 6983 GLS DIESEL, RIG MOVE IS APPROXIMATELY 1.4 MILES			

NO ACCIDENTS / INCIDENTS

RIG REPAIRS:

FULL CREWS

SAFETY MEETING: LAY DOWN PIPE

SAFETY MEETING # 2 THIRD PARTY SAFETY MEETING

FUEL ON HAND 6983 GLS, USED 491 GLS

TEST CROWN-O-MATIC, BOP DRIL

03-11-2009	Reported By	DUANE C WINKLER/ C. ARRIETA
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DailyCosts: Drilling	\$17,576	Completion	\$0	Daily Total	\$17,576
Cum Costs: Drilling	\$529,813	Completion	\$150,885	Well Total	\$680,698
MD	7,263	TVD	7,263	Progress	0
Days	5	MW	0.0	Visc	0.0
Formation :	PBTD : 0.0		Perf :	PKR Depth : 0.0	

Activity at Report Time: RDRT/NO COMPLETION

Start	End	Hrs	Activity Description
06:00	09:30	3.5	ND BOP, RDRT.

09:30 RIG RELEASED @ 09:30 HRS, 3/10/2009.
CASING POINT COST \$519,453

03-14-2009 Reported By SEARLE

DailyCosts: Drilling	\$0	Completion	\$36,300	Daily Total	\$36,300
Cum Costs: Drilling	\$529,813	Completion	\$187,185	Well Total	\$716,998
MD	7,263	TVD	7,263	Progress	0
Days	6	MW	0.0	Visc	0.0
Formation :	PBTD : 7210.0		Perf :	PKR Depth : 0.0	

Activity at Report Time: PREP FOR FRACS

Start	End	Hrs	Activity Description
06:00	06:00	24.0	MIRU SCHLUMBERGER. LOG WITH RST/CBL/CCL/VDL/GR FROM PBTD TO 400'. EST CEMENT TOP @ 670'. RD SCHLUMBERGER.

05-30-2009 Reported By MCCURDY

DailyCosts: Drilling	\$0	Completion	\$1,948	Daily Total	\$1,948
Cum Costs: Drilling	\$529,813	Completion	\$189,133	Well Total	\$718,946
MD	7,263	TVD	7,263	Progress	0
Days	7	MW	0.0	Visc	0.0
Formation :	PBTD : 7210.0		Perf :	PKR Depth : 0.0	

Activity at Report Time: WO COMPLETION

Start	End	Hrs	Activity Description
06:00	06:00	24.0	NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 6500 PSIG. WO COMPLETION.

06-03-2009 Reported By MCCURDY

DailyCosts: Drilling	\$0	Completion	\$2,238	Daily Total	\$2,238
Cum Costs: Drilling	\$529,813	Completion	\$191,371	Well Total	\$721,184
MD	7,263	TVD	7,263	Progress	0
Days	8	MW	0.0	Visc	0.0
Formation : WASATCH	PBTD : 7210.0		Perf : 6824'-7104'	PKR Depth : 0.0	

Activity at Report Time: FRAC STAGES 1 THROUGH 5

Start	End	Hrs	Activity Description
06:00	06:00	24.0	MIRU SCHLUMBERGER WIRELINE & PERFORATE NORTH HORN FROM 6824'-25', 6833'-34', 6931'-32', 6945'-46', 6957'-58', 7016'-17', 7037'-38', 7045'-46', 7097'-99', 7102'-04', @ 3 SPF @ 120° PHASING. RDWL. RU WIDE SPREAD SERVICES AND PUMP DOWN CASING W/ 42 GAL BACTRON K-87 MICROBIOCIDAL, 165 GAL GYPTRON T-106. SWIFN.

06-04-2009 Reported By MCCURDY

DailyCosts: Drilling	\$0	Completion	\$147,169	Daily Total	\$147,169
Cum Costs: Drilling	\$529,813	Completion	\$338,540	Well Total	\$868,353
MD	7,263	TVD	7,263	Progress	0
Days	9	MW	0.0	Visc	0.0

Formation : WASATCH **PBTD :** 7210.0 **Perf :** 5050'-7104' **PKR Depth :** 0.0

Activity at Report Time: PREP TO MIRUSU

Start	End	Hrs	Activity Description
06:00	06:00	24.0	SICP 980 PSIG. RU HALLIBURTON, FRAC DOWN CASING W/14701 GAL 16# LINEAR W/18900# 20/40 SAND @ 1-1.5 PPG, 16653 GAL 16# DELTA 140 W/52600# 20/40 SAND @ 2-4 PPG. MTP 6037 PSIG. MTR 50.6 BPM. ATP 5066 PSIG. ATR 44.6 BPM. ISIP 3226 PSIG. RD HALLIBURTON.
RUWL. SET 6K CFP AT 6740'. PERFORATE Ba/NH FROM (6456'-57' MISFIRED), 6487'-88', 6513'-15', 6562'-63', 6603'-04', 6633'-35', 6651'-52', 6668'-69', 6691'-92', 6702'-03' @ 3 SPF @ 120° PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/42 GAL BACTRON K-87 MICROBIOCID, 165 GAL GYPTRON T-106. 8460GAL 16# LINEAR W/10600 # 20/40 SAND @ 1-1.5 PPG, 34590 GAL 16# DELTA 140 W/115100# 20/40 SAND @ 2-4 PPG. MTP 4893 PSIG. MTR 50.5 BPM. ATP 4416 PSIG. ATR 46.5 BPM. ISIP 2700 PSIG. RD HALLIBURTON.			
RUWL. SET 6K CFP AT 6425'. PERFORATE Ba FROM 5993'-94', 6006'-07', 6078'-79', 6152'-53', 6192'-93', 6238'-39', 6256'-57', 6268'-69', 6354'-56', 6404'-06', @ 3 SPF @ 120° PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/42 GAL BACTRON K-87 MICROBIOCID, 17625 GAL 16# LINEAR W/21860# 20/40 SAND @ 1-1.5 PPG, 49980 GAL 16# DELTA 140 W/49980# 20/40 SAND @ 2-4 PPG. MTP 5478 PSIG. MTR 51 BPM. ATP 4432PSIG. ATR 45.8 BPM. ISIP 2340 PSIG. RD HALLIBURTON.			
RUWL. SET 6K CFP AT 5800'. PERFORATE Ca FROM 5601'-03', 5607'-09', 5615'-17', 5626'-28', 5688'-90', 5758'-60' @ 3 SPF @ 120° PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/42 GAL BACTRON K-87 MICROBIOCID, 19449 GAL 16# DELTA 140 W/67770# 20/40 SAND @ 3-4 PPG. MTP 5395 PSIG. MTR 50.3 BPM. ATP 3968 PSIG. ATR 43.8 BPM. ISIP 2650 PSIG. RD HALLIBURTON.			
RUWL. SET 6K CFP AT 5180'. PERFORATE Pp/Ca FROM 5050'-51', 5053'-55', 5060'-62', 5065'-66', 5111'-13', 5140'-44' @ 3 SPF @ 120° PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/42 GAL BACTRON K-87 MICROBIOCID, 17603 GAL 16# DELTA 140 W/60100# 20/40 SAND @ 4 PPG. MTP 4308 PSIG. MTR 50.7 BPM. ATP 3709 PSIG. ATR 41.3 BPM. ISIP 2875 PSIG. RD HALLIBURTON.			
RUWL. SET 6K CBP AT 4971'. RDWL.			

06-16-2009		Reported By		HACKING							
DailyCosts: Drilling		\$0		Completion		\$150,969		Daily Total		\$150,969	
Cum Costs: Drilling		\$529,813		Completion		\$489,509		Well Total		\$1,019,322	
MD	7,263	TVD	7,263	Progress	0	Days	10	MW	0.0	Visc	0.0
Formation : WASATCH			PBTD : 7210.0			Perf : 5050'-7104'			PKR Depth : 0.0		
Activity at Report Time: CLEAN OUT AFTER FRAC											
Start	End	Hrs	Activity Description								
06:00	06:00	24.0	MIRUSU. RIH W/BIT & PUMP OFF BIT SUB TO 4960'. SDFN.								

06-17-2009		Reported By		HACKING							
DailyCosts: Drilling		\$0		Completion		\$7,725		Daily Total		\$7,725	
Cum Costs: Drilling		\$529,813		Completion		\$497,234		Well Total		\$1,027,047	
MD	7,263	TVD	7,263	Progress	0	Days	11	MW	0.0	Visc	0.0
Formation : WASATCH			PBTD : 7210.0			Perf : 5050'-7104'			PKR Depth : 0.0		
Activity at Report Time: FLOW TEST											
Start	End	Hrs	Activity Description								
06:00	06:00	24.0	CLEAN OUT & DRILL OUT PLUGS @ 4971', 5180', 5800', 6425', 6740'. CLEAN OUT TO 7100'. LAND TUBING @ 5003'. ND BOP. NU TREE. PUMP OFF BIT.								

TUBING DETAIL LENGTH

POBS 1.10'

1 JT 2 3/8"X4.7# N80 32.88'

XN NIPPLE 1.10'

157 JTS 2 3/8"X4.7# N80 4955.20'

BELOW KB 13.00'

LANDED @ 5003.28'

FLOW TEST 18 HRS. 48/64" CHOKE. FTP 150 PSIG. SICP 950 PSIG. 47 BFPH. RECOVERED 1041 BLW. 3088 BLWTR.

06-18-2009		Reported By		HACKING							
DailyCosts: Drilling		\$0		Completion		\$2,025		Daily Total		\$2,025	
Cum Costs: Drilling		\$529,813		Completion		\$497,234		Well Total		\$1,027,047	
MD	7,263	TVD	7,263	Progress	0	Days	12	MW	0.0	Visc	0.0
Formation : WASATCH			PBTD : 7210.0			Perf : 5050'-7104'			PKR Depth : 0.0		
Activity at Report Time: FLOW TEST - WO FACILITIES											
Start	End	Hrs	Activity Description								
06:00	06:00	24.0	FLOWED 24 HRS. 24/64 CHOKE FTP 300 PSIG. SICP 1100 PSIG. 22 BFPH. RECOVERED 593 BBLS. 2495 BWTLR. SI. WO FACILITIES.								

FINAL COMPLETION DATE: 6/17/09

06-19-2009		Reported By		DUANE COOK							
DailyCosts: Drilling		\$0		Completion		\$2,025		Daily Total		\$2,025	
Cum Costs: Drilling		\$529,813		Completion		\$497,234		Well Total		\$1,027,047	
MD	7,263	TVD	7,263	Progress	0	Days	13	MW	0.0	Visc	0.0
Formation : WASATCH			PBTD : 7210.0			Perf : 5050'-7104'			PKR Depth : 0.0		
Activity at Report Time: INITIAL PRODUCTION											
Start	End	Hrs	Activity Description								
06:00	06:00	24.0	INITIAL PRODUCTION. OPENING PRESSURE: TP 400 PSIG & CP 1150 PSIG. TURNED WELL OVER TO KERR - MAGEE SALES AT 12:00 PM, 6/18/09. FLOWED 357 MCFD RATE ON 16/64" POS CHOKE. STATIC 117. KERR-MAGEE METER #985790.								

06-22-2009		Reported By		ALAN WATKINS							
DailyCosts: Drilling		\$0		Completion		\$0		Daily Total		\$0	
Cum Costs: Drilling		\$529,813		Completion		\$497,234		Well Total		\$1,027,047	
MD	7,263	TVD	7,263	Progress	0	Days	14	MW	0.0	Visc	0.0
Formation : WASATCH			PBTD : 7210.0			Perf : 5050'-7104'			PKR Depth : 0.0		
Activity at Report Time: ON SALES											
Start	End	Hrs	Activity Description								
06:00	06:00	24.0	06/20/09 FLOWED 168 MCF, 0 BC & 240 BW IN 24 HRS ON 16/64" CHOKE, TP 550 PSIG & CP 1250 PSIG.								

06/21/09 FLOWED 204 MCF, 0 BC & 250 BW IN 24 HRS ON 16/64" CHOKE, TP 525 PSIG & CP 1250 PSIG.

06/22/09 FLOWED 200 MCF, 0 BC & 300 BW IN 24 HRS ON 16/64" CHOKE, TP 525 PSIG & CP 1250 PSIG.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

X Change of Operator (Well Sold)
 Operator Name Change

Designation of Agent/Operator
 Merger

ROUTING

1. DJJ
 2. CDW

The operator of the well(s) listed below has changed, effective:

6/1/2009

FROM: (Old Operator): N9550-EOG Resources 1060 E Hwy 40 Vernal, UT 84078 Phone: 1-(435) 781-9111	TO: (New Operator): N2995-Kerr-McGee Oil & Gas Onshore., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024
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CA No.	Unit:		NATURAL BUTTES					
WELL NAME(S)	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NBU 664-24E	24	100S	200E	4304739867 ✓	2900	State	GW	P
NBU 663-24E	24	100S	200E	4304750010	2900	State	GW	P
NBU 661-24E	24	100S	200E	4304750011	2900	State	GW	P
NBU 667-24E	24	100S	200E	4304750012	2900	State	GW	P
NBU 640-13E	13	100S	220E	4304750014 ✓	2900	State	GW	P
NBU 662-24E	24	100S	200E	4304750017 ✓	2900	State	GW	P
NBU 666-24E	24	100S	200E	4304750057 ✓	2900	State	GW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: Completion of well
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: Completion of well
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- (R649-9-2) Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete on: n/a
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA n/a
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 7/16/2009
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 7/16/2009
- Bond information entered in RBDMS on: 7/16/2009
- Fee/State wells attached to bond in RBDMS on: 7/16/2009
- Injection Projects to new operator in RBDMS on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: n/a
- (R649-3-1) The **NEW** operator of any state or fee well(s) listed covered by Bond Number 22013542
- The **FORMER** operator has requested a release of liability from their bond on: n/a

COMMENTS:

Well to transfer upon completion to Unit Operator (See 9/23/2003 letter from EOG & agreement 9/17/03 from Westport)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME Natural Buttes	
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: Natural Buttes Unit 661-24E	
2. NAME OF OPERATOR: EOG Resources, Inc.		9. API NUMBER: 43-047-50011	
3. ADDRESS OF OPERATOR: 600 17th St., Suite 1000N CITY Denver STATE CO ZIP 80202		10. FIELD AND POOL, OR WILDCAT Natural Buttes	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1734' FSL & 661' FWL 39.930678 LAT 109.620711 LON AT TOP PRODUCING INTERVAL REPORTED BELOW: Same AT TOTAL DEPTH: Same		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 24 10S 20E S	
14. DATE SPUDDED: 2/11/2009		15. DATE T.D. REACHED: 3/8/2009	
16. DATE COMPLETED: 6/18/2009		17. ELEVATIONS (DF, RKB, RT, GL): 5220' NAT GL	
18. TOTAL DEPTH: MD 7,263 TVD _____		19. PLUG BACK T.D.: MD 7,210 TVD _____	
20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE MD PLUG SET: TVD _____	
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) VRST/CBL/CCL/VDL/GR		23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)	

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12.25	9.625 J-55	36.0	0	2,452		750		0	
7.875	4.5 N-80	11.6	0	7,255		1310		670	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.375	5,003							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Wasatch	5,050	7,104			6,824 7,104		3	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(B)					6,487 6,703		3	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)					5,993 6,406		3	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)					5,601 5,760		3	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6824-7104	31,561 GALS GELLED WATER & 71,500# 20/40 SAND
6487-6703	43,257 GALS GELLED WATER & 125,700# 20/40 SAND
5993-6406	67,647 GALS GELLED WATER & 71,840# 20/40 SAND

29. ENCLOSED ATTACHMENTS:

- ☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: _____

30. WELL STATUS:

Producing

RECEIVED

JUL 09 2009

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 6/18/2009	TEST DATE: 6/25/2009	HOURS TESTED: 24	TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 179	WATER – BBL: 179	PROD. METHOD: Flows
CHOKE SIZE: 16/64"	TBG. PRESS. 525	CSG. PRESS. 1,225	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS: Producing

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Wasatch	5,050	7,104		Green River	988
				Birds Nest	1,344
				Mahogany	1,875
				Uteland Butte	4,320
				Wasatch	4,457
				Chapita Wells	5,056
				Buck Canyon	5,765

35. ADDITIONAL REMARKS (Include plugging procedure)

See attached page for additional information.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Mary A. MaestasTITLE Regulatory Assistant

SIGNATURE

Mary A. MaestasDATE 7/7/2009

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

Natural Buttes Unit 661-24E - ADDITIONAL REMARKS (CONTINUED):

27. PERFORATION RECORD

5050-5144	3/spf
-----------	-------

28. ACID, FRACTURE TREATMENT, CEMENT SQUEEZE, ETC.

5601-5760	19,491 GALS GELLED WATER & 67,770# 20/40 SAND
5050-5144	17,645 GALS GELLED WATER & 60,100# 20/40 SAND

Perforated the North Horn from 6824-25', 6833-34', 6931-32', 6945-46', 6957-58', 7016-17', 7037-38', 7045-46', 7097-99', 7102-04' w/ 3 spf.

Perforated the Ba/North Horn from 6487-88', 6513-15', 6562-63', 6603-04', 6633-35', 6651-52', 6668-69', 6691-92', 6702-03' w/ 3 spf.

Perforated the Ba from 5993-94', 6006-07', 6078-79', 6152-53', 6192-93', 6238-39', 6256-57', 6268-69', 6354-56', 6404-06' w/ 3 spf.

Perforated the Ca from 5601-03', 5607-09', 5615-17', 5626-28', 5688-90', 5758-60' w/ 3 spf.

Perforated the Pp/Ca from 5050-51', 5053-55', 5060-62', 5065-66', 5111-13', 5140-44' w/ 3 spf.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 7

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and number: NBU 661-24E

API number: 4304750011

Well Location: QQ NWSW Section 24 Township 10S Range 20E County UINTAH

Well operator: EOG

Address: 1060 E HWY 40

city VERNAL state UT zip 84078

Phone: (435) 781-9111

Drilling contractor: CRAIGS ROUSTABOUT SERVICE

Address: PO BOX 41

city JENSEN state UT zip 84035

Phone: (435) 781-1366

Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
1,552	1,565	NO FLOW	NOT KNOWN

Formation tops: 1 _____ 2 _____ 3 _____
(Top to Bottom) 4 _____ 5 _____ 6 _____
7 _____ 8 _____ 9 _____
10 _____ 11 _____ 12 _____

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT) Mary A. Maestas

TITLE Regulatory Assistant

SIGNATURE Mary A. Maestas

DATE 7/7/2009

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
**Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.
Multiple Leases

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
EOG Resources, Inc

3a. Address
1060 EAST HIGHWAY 40, VERNAL, UT 84078

3b. Phone No. (include area code)
435-781-9145

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
See Attached

7. If Unit of CA/Agreement, Name and/or No.
Natural Buttes

8. Well Name and No.
Multiple Wells

9. API Well No.
See Attached

10. Field and Pool or Exploratory Area
Natural Buttes

11. Country or Parish, State
Utah, Utah

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Change of Operator</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

EOG Resources, Inc. has assigned all of its right, title and interest in the wells described in the attached list ("the Subject Wells") to Kerr-McGee Oil & Gas Onshore LP and will relinquish and transfer operatorship of all of the Subject Wells to Kerr-McGee Oil & Gas Onshore LP on January 1, 2010.

As of January 1, 2010, Kerr-McGee Oil & Gas Onshore LP will be considered to be the operator of each of the Subject Wells and will be responsible under the terms and conditions of the applicable lease for the operations conducted upon the leased lands. Bond coverage is provided under Kerr-McGee Oil & Gas Onshore LP's Nationwide BLM Bond No. WYB-000291.

Kerr-McGee Oil & Gas Onshore LP
1099 18th Street, Suite 1800
Denver, CO 80202-1918

By: Michael A. Nixon Date: 12/17/2009
Michael A. Nixon
Agent and Attorney-in-Fact

Accepted by the
Utah Division of
Oil, Gas and Mining
For Record Only EP
1/31/2010

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)
J. Michael Schween

Title Agent and Attorney-in-Fact

Signature

Date 12/17/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

RECEIVED

Approved by

Title

Date

DEC 24 2009

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

DIV. OF OIL, GAS & MINING

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Lease #	API #	Well Name	Footages	Legal Description
UTUO2270A	4304730261	NBU 1-07B	1975' FNL 1850' FWL	T10S-R21E-07-SESW
UTUO144868	4304730262	NBU 2-15B	1630' FSL 2125' FEL	T09S-R20E-15-NWSE
ML22651	4304730267	NBU 3-02B	1819' FNL 716' FWL	T10S-R22E-02-SWNW
UTUO10954A	4304730273	NBU 4-35B	2037' FNL 2539' FWL	T09S-R22E-35-SESW
ML22650	4304730272	NBU 5-36B	1023' FNL 958' FWL	T09S-R22E-36-NWNW
UTUO1791	4304730278	NBU 7-09B	330' FSL 1600' FWL	T10S-R21E-09-SESW
UTUO1207 ST	4304730274	NBU 10-29B	1100' FSL 1540' FEL	T09S-R22E-29-SWSE
UTUO1791	4304730294	NBU 13-08B	1600' FSL 1300' FEL	T10S-R21E-08-NESE
UTUO581	4304730296	NBU 15-29B	821' FNL 687' FWL	T09S-R21E-29-NWNW
UTUO1791	4304730316	NBU 16-06B	330' FSL 900' FEL	T10S-R21E-06-SESE
UTUO2270A	4304730317	NBU 17-18B	1014' FSL 2067' FEL	T10S-R21E-18-SWSE
UTUO144869	4304730328	NBU 19-21B	2015' FNL 646' FEL	T09S-R20E-21-SENE
UTUO575	4304730363	NBU 25-20B	1905' FNL 627' FWL	T09S-R21E-20-SWNW
UTU4485	4304730364	NBU 26-13B	600' FSL 661' FEL	T10S-R20E-13-SESE
UTUO1393B	4304730367	NBU 28-04B	529' FNL 2145' FWL	T10S-R21E-04-NENW
UTUO1393B	4304730368	NBU 29-05B	398' FSL 888' FWL	T10S-R21E-05-SESE
UTUO575	4304730380	NBU 30-18B	1895' FSL 685' FEL	T09S-R21E-18-NESE
ML01197A	4304730385	NBU 31-12B	565' FNL 756' FWL	T10S-R22E-12-NWNW
UTU461	4304730396	NBU 33-17B	683' FSL 739' FWL	T09S-R22E-17-SWSW
UTUO575	4304730404	NBU 34-17B	210' FNL 710' FEL	T09S-R21E-17-NENE
UTUO149767	4304730397	NBU 35-08B	1830' FNL 660' FWL	T09S-R21E-8-SWNW
UTUO144878B	4304730470	NBU 49-12B	551' FSL 1901' FEL	T09S-R20E-12-SWSE
UTUO140225	4304730473	NBU 52-01B	659' FSL 658' FEL	T09S-R21E-01-SESE
UTUO141315	4304730474	NBU 53-03B	495' FSL 601' FWL	T09S-R21E-03-SWSW
ML21510	4304730475	NBU 54-02B	660' FSL 660' FWL	T09S-R21E-02-SWSW
UTUO1193	4304730464	NBU 57-12B	676' FSL 1976' FEL	T09S-R21E-12-SWSE
UTUO1198B	4304730463	NBU 58-23B	1634' FNL 2366' FEL	T10S-R22E-23-SWNE
UTUO37167	4304730477	NBU 62-35B	760' FNL 2252' FEL	T10S-R22E-35-NWNE
UTU10186	4304730466	NBU 63-12B	1364' FNL 1358' FEL	T10S-R20E-12-SWNE
UTUO37167	4304730577	NBU 70-34B	1859' FSL 2249' FWL	T10S-R22E-34-NESW
UTU4476	4304730578	NBU 71-26B	1877' FNL 528' FEL	T10S-R20E-26-SENE
UTUO141315	4304731150	NBU 202-03	898' FSL 1580' FEL	T09S-R21E-03-SWSE
UTUO1791	4304731238	NBU 205-08	1432' FSL 1267' FWL	T10S-R21E-08-NWSW
UTUO1791	4304731165	NBU 206-09	1789' FNL 1546' FWL	T10S-R21E-09-SESW
UTUO1393B	4304731177	NBU 207-04	1366' FSL 1445' FWL	T10S-R21E-04-NESW
UTUO149076	4304731153	NBU 210-24	1000' FSL 1000' FWL	T09S-R21E-24-SWSW
UTUO284	4304731156	NBU 211-20	916' FSL 822' FEL	T09S-R22E-20-SESE
UTUO284	4304731267	NBU 212-19	289' FSL 798' FWL	T09S-R22E-19-SWSW
UTU22650	4304731268	NBU 213-36J	597' FNL 659' FEL	T09S-R22E-36-NENE
ML22651	4304731282	NBU 217-02	2045' FSL 766' FWL	T10S-R22E-02-NWSW
UTUO2270A	4304731310	NBU 218-17	2600' FNL 1500' FWL	T10S-R21E-17-SESW
UTUO149076	4304731308	NBU 219-24	1300' FNL 500' FWL	T09S-R21E-24-NWNW
UTUO149076	4304732131	NBU 301-24E	700' FSL 2450' FEL	T09S-R21E-24-SWSE
UTUO1791	4304732010	NBU 302-09E	1899' FSL 912' FWL	T10S-R21E-09-NWSW
UTUO575	4304732130	NBU 304-18E	782' FSL 1783' FEL	T09S-R21E-18-SWSE
UTUO149767	4304732135	NBU 305-07E	670' FNL 1950' FWL	T09S-R21E-07-NENW
UTUO581	4304732282	NBU 306-18E	1604' FSL 2797' FWL	T09S-R21E-18-NESW
UTUO1791	4304732014	NBU 307-06E	1979' FSL 2000' FEL	T10S-R21E-06-NWSE
UTUO284	4304732202	NBU 308-20E	1503' FSL 954' FWL	T09S-R22E-20-NWSW
UTUO575	4304732283	NBU 309-20E	930' FNL 667' FEL	T09S-R21E-20-NENE
UTUO149075	4304732203	NBU 311-23E	1101' FSL 1978' FEL	T09S-R21E-23-SWSE
UTUO581	4304732378	NBU 313-29E	1000' FNL 660' FEL	T09S-R21E-29-NENE
UTUO141315	4304732271	NBU 314-03E	1045' FSL 2584' FWL	T09S-R21E-03-SESW
UTUO575	4304732381	NBU 316-17E	1935' FNL 1067' FWL	T09S-R21E-17-SWNW
UTUO144868B	4304732362	NBU 317-12E	867' FNL 701' FEL	T09S-R20E-12-NENE
UTUO2270A	4304737511	NBU 319-17E	807' FNL 990' FWL	T10S-R21E-17-NWNW
UTUO1188	4304732379	NBU 321-10E	940' FSL 2508' FWL	T09S-R21E-10-SESW
UTUO575B	4304732376	NBU 325-08E	832' FSL 669' FWL	T09S-R21E-08-SWSW
UTUO1393B	4304733697	NBU 326-04E	1906' FNL 695' FWL	T10S-R21E-04-SWNW
UTUO1393B	4304739303	NBU 327-05E	1117' FNL 942' FEL	T10S-R21E-05-NENE (LOT 1)
UTU4485	4304732386	NBU 328-13E	1766' FSL 1944' FWL	T10S-R20E-13-NESW
UTUO1207 ST	4304732229	NBU 329-29E	2490' FNL 949' FEL	T09S-R22E-29-SENE

RECEIVED

DEC 24 2009

DIV. OF OIL, GAS & MINING

Lease #	API #	Well Name	Footages	Legal Description
UTUO10954A	4304732147	NBU 331-35E	1531' FNL 1153' FEL	T09S-R22E-35-SENE
UTUO1791	4304732148	NBU 332-08E	955' FSL 2508' FEL	T10S-R21E-08-SWSE
ML21510	4304732518	NBU 333-02E	1951' FSL 2245' FWL	T09S-R21E-02-NESW
UTUO149075	4304732265	NBU 335-23E	1419' FNL 828' FEL	T09S-R21E-23-SENE
UTUO149076	4304732264	NBU 336-24E	2024' FNL 1958' FWL	T09S-R21E-24-SENE
UTUO284	4304732281	NBU 339-19E	1890' FSL 674' FWL	T09S-R22E-19-NWSW
UTUO284B	4304732327	NBU 340-20E	1326' FSL 2569' FEL	T09S-R22E-20-NWSE
UTUO1207 ST	4304733055	NBU 341-29E	307' FSL 898' FEL	T09S-R22E-29-SESE
UTUO10954A	4304732212	NBU 342-35E	918' FNL 2563' FEL	T09S-R22E-35-NWNE
UTUO1393B	4304739338	NBU 346-05E	2233' FSL 676' FEL	T10S-R21E-05-NESE
UTUO575B	4304732326	NBU 349-07E	1641' FNL 1036' FWL	T09S-R21E-07-SWNW
UTUO1188	4304732519	NBU 352-10E	1806' FSL 842' FWL	T09S-R21E-10-NWSW
UTUO581	4304732383	NBU 356-29E	1600' FNL 1980' FEL	T09S-R21E-29-SWNE
UTUO2270A	4304732388	NBU 358-01E	736' FSL 1941' FEL	T10S-R20E-01-SWSE
UTU4485	4304750032	NBU 359-13E	661' FSL 2149' FEL	T10S-R20E-13-SWSE
UTU4485	4304732387	NBU 360-13E	1998' FSL 775' FWL	T10S-R20E-13-NWSW
ML21510	4304733782	NBU 379-02E	1967' FSL 898' FWL	T09S-R21E-02-NWSW
UTUO575	4304733064	NBU 382-18E	2030' FSL 2172' FEL	T09S-R21E-18-NWSE
UTUO149075	4304735889	NBU 384-23E	491' FSL 929' FEL	T09S-R21E-23-SESE
UTUO149076	4304733056	NBU 386-24E	450' FSL 1850' FWL	T09S-R21E-24-SESW
UTUO284	4304733057	NBU 388-19E	382' FSL 1847' FWL	T09S-R22E-19-SESW
UTUO1207 ST	4304733049	NBU 389-29E	2226' FSL 2166' FEL	T09S-R22E-29-NWSE
UTUO1393B	4304732835	NBU 390-04E	2577' FSL 1951' FWL	T10S-R21E-04-NESW
UTUO1393B	4304732988	NBU 391-05E	1215' FSL 2090' FEL	T10S-R21E-05-SWSE
UTUO1791	4304733783	NBU 392-06E	1926' FSL 611' FEL	T10S-R21E-06-NESE
UTU4485	4304733071	NBU 393-13E	1850' FSL 2141' FEL	T10S-R20E-13-NWSE
UTU4485	4304733072	NBU 394-13E	725' FSL 2027' FWL	T10S-R20E-13-SESW
UTUO1188	4304732544	NBU 400-11E	1983' FSL 1321' FWL	T09S-R21E-11-NESW
UTUO581	4304734216	NBU 421-29E	1985' FNL 972' FEL	T09S-R21E-29-SENE
UTUO581	4304733698	NBU 422-29E	1980' FNL 785' FWL	T09S-R21E-29-SWNW
UTUO581	4304734206	NBU 423-30E	1980' FSL 660' FEL	T09S-R21E-30-NESE
ML3142	4304733699	NBU 424-32E	744' FNL 773' FEL	T09S-R21E-32-NENE
UTUO2270A	4304740049	NBU 428-07E	660' FSL 855' FWL	T10S-R21E-07-SWSW (Lot 4)
UTUO1791	4304733069	NBU 431-09E	2599' FNL 662' FWL	T10S-R21E-09-SWNW
UTUO2270A	4304738536	NBU 434-17E	1799' FNL 2176' FWL	T10S-R21E-17-SENE
UTUO2270A	4304738376	NBU 435-17E	1837' FNL 571' FWL	T10S-R21E-17-SWNW
UTUO2270A	4304734195	NBU 436-18E	1644' FSL 748' FEL	T10S-R21E-18-NESE
UTUO2270A	4304735499	NBU 437-18E	322' FSL 748' FEL	T10S-R21E-18-SESE
ML22792	4304737534	NBU 438-19E	661' FNL 1941' FEL	T10S-R21E-19-NWNE
ML22792	4304737535	NBU 439-19E	2111' FNL 1980' FWL	T10S-R21E-19-SWNE
UTUO10953	4304736279	NBU 451-01E	1965' FSL 2132' FWL	T10S-R22E-01-NESW
ML22651	4304736053	NBU 456-02E	493' FNL 1080' FWL	T10S-R22E-02-NWNW (Lot 4)
UTUO141315	4304733063	NBU 481-03E	1490' FSL 556' FEL	T09S-R21E-03-NESE
UTUO581	4304733065	NBU 483-19E	1850' FSL 1980' FWL	T09S-R21E-19-NESW
UTUO575	4304733784	NBU 484-20E	350' FNL 823' FWL	T09S-R21E-20-NWNW
UTUO2270A	4304739897	NBU 486-07E	1895' FSL 1834' FWL	T10S-R21E-07-NESW
UTUO575B	4304733121	NBU 489-07E	763' FSL 733' FWL	T09S-R21E-07-SWSW (Lot 4)
UTUO2270A	4304733123	NBU 497-01E	2091' FSL 894' FEL	T10S-R20E-01-NESE
UTUO577A	4304733140	NBU 506-23E	720' FNL 1818' FWL	T09S-R20E-23-NENW
UTUO1791	4304733124	NBU 508-08E	915' FSL 355' FEL	T10S-R21E-08-SESE
UTUO1197A ST	4304739283	NBU 513-12EX	1850' FNL 2133' FWL	T10S-R22E-12-SENE
UTUO2270A	4304733696	NBU 516-12E	1950' FSL 1786' FEL	T10S-R20E-12-NWSE
UTUO141315	4304733779	NBU 519-03E	1749' FSL 798' FWL	T09S-R21E-03-NWSW
UTUO575B	4304733780	NBU 521-08E	2250' FSL 900' FWL	T09S-R21E-08-NWSW
UTUO1188	4304733781	NBU 522-10E	732' FSL 841' FEL	T09S-R21E-10-SESE
UTUO2270A	4304733685	NBU 523-12E	660' FSL 660' FEL	T10S-R20E-12-SESE
UTUO2270A	4304733701	NBU 524-12E	841' FSL 1795' FEL	T10S-R20E-12-SWSE
UTUO2270A	4304739722	NBU 529-07E	704' FNL 762' FWL	T10S-R21E-07-NWNW
UTUO581	4304734639	NBU 534-18E	1885' FSL 115' FWL	T09S-R21E-18-NWSW
UTUO2270A	4304735200	NBU 535-17E	1893' FSL 580' FWL	T10S-R21E-17-NWSW
ML22791	4304735252	NBU 536-18E	734' FSL 2293' FWL	T10S-R21E-18-SESW
UTUO2270A	4304735253	NBU 537-18E	1880' FSL 1830' FEL	T10S-R21E-18-NWSE

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Lease #	API #	Well Name	Footages	Legal Description
UTUO284	4304735886	NBU 538-19E	1937' FSL 1833' FWL	T09S-R22E-19-NESW
UTUO149076	4304735887	NBU 539-24E	1870' FSL 477' FEL	T09S-R21E-24-NESE
UTUO10953	4304736280	NBU 546-01E	2036' FSL 699' FWL	T10S-R22E-01-NWSW
UTUO10953	4304736278	NBU 547-01E	749' FSL 598' FWL	T10S-R22E-01-SWSW
UTU474	4304737687	NBU 553-28E	767' FNL 753' FWL	T10S-R22E-28-NWNW
UTU474	4304737686	NBU 554-28E	2023' FNL 465' FWL	T10S-R22E-28-SWNW
ML22791	4304737685	NBU 555-18E	1984' FSL 1790' FWL	T10S-R21E-18-NESW
ML22791	4304737514	NBU 556-18E	1800' FSL 870' FWL	T10S-R21E-18-NWSW
ML22791	4304737513	NBU 557-18E	852' FSL 661' FWL	T10S-R21E-18-SWSW
UTUO2270A	4304737510	NBU 558-17E	748' FSL 611' FWL	T10S-R21E-17-SWSW
UTUO2278C	4304737509	NBU 559-17E	467' FSL 2065' FWL	T10S-R21E-17-SESW
UTUO2278	4304737508	NBU 560-17E	1946' FSL 1896' FWL	T10S-R21E-17-NESW
UTUO2278	4304737512	NBU 561-17E	857' FSL 1988' FEL	T10S-R21E-17-SWSE
ML22792	4304737536	NBU 562-19E	859' FNL 859' FEL	T10S-R21E-19-NENE
ML22792	4304737537	NBU 563-19E	1982' FSL 1878' FEL	T10S-R21E-19-NWSE
UTU4476	4304738962	NBU 564-26E	665' FNL 1945' FWL	T10S-R20E-26-NENW
ML22793	4304737533	NBU 565-30E	1865' FNL 1786' FEL	T10S-R21E-30-SWNE
UTUO2270A	4304738375	NBU 566-17E	538' FNL 1806' FWL	T10S-R21E-17-NENW
UTUO1791	4304738535	NBU 567-17E	690' FNL 1988' FEL	T10S-R21E-17-NWNE
UTUO1791	4304738537	NBU 568-17E	850' FNL 807' FEL	T10S-R21E-17-NENE
UTUO1791	4304738534	NBU 569-17E	2009' FNL 1809' FEL	T10S-R21E-17-SWNE
UTUO1791	4304738529	NBU 570-17E	2031' FNL 672' FEL	T10S-R21E-17-SENE
UTUO2278	4304738377	NBU 571-17E	1964' FSL 1831' FEL	T10S-R21E-17-NWSE
UTUO2278	4304738374	NBU 572-17E	1810' FSL 739' FEL	T10S-R21E-17-NESE
UTUO2278	4304738510	NBU 573-17E	813' FSL 481' FEL	T10S-R21E-17-SESE
ML22650	4304739308	NBU 602-36E	1723' FNL 719' FWL	T09S-R22E-36-SWNW
UTUO1393B	4304739305	NBU 614-05E	716' FNL 1967' FEL	T10S-R21E-05-NWNE
UTUO1393B	4304739655	NBU 615-05E	2384' FNL 1015' FEL	T10S-R21E-05-SENE
UTUO1393B	4304739337	NBU 617-04E	933' FNL 745' FWL	T10S-R21E-04-NWNW
UTUO1393B	4304739336	NBU 618-04E	998' FSL 661' FWL	T10S-R21E-04-SWSW
UTUO1393B	4304739414	NBU 625-04E	1937' FNL 1722' FWL	T10S-R21E-04-SENW
UO01197A ST	4304739192	NBU 632-12E	860' FNL 2032' FWL	T10S-R22E-12-NENW
UO01197A ST	4304739193	NBU 633-12E	789' FNL 2179' FEL	T10S-R22E-12-NWNE
UO01197A ST	4304739190	NBU 635-12E	1808' FNL 1754' FEL	T10S-R22E-12-SWNE
UTUO1197A ST	4304739191	NBU 636-12E	1824' FNL 461' FEL	T10S-R22E-12-SENE
UTUO8512 ST	4304750016	NBU 638-13E	1926' FNL 2504' FWL	T10S-R22E-13-SENW
UTUO8512 ST	4304750019	NBU 639-13E	859' FNL 1902' FEL	T10S-R22E-13-NWNE
UTUO8512 ST	4304750014	NBU 640-13E	1619' FNL 1639' FEL	T10S-R22E-13-SWNE
UTUO8512A ST	4304750058	NBU 641-13E	990' FNL 1184' FEL	T10S-R22E-13-NENE
UTUO8512 ST	4304750013	NBU 642-13E	1949' FNL 858' FEL	T10S-R22E-13-SENE
UTUO2270A	4304739957	NBU 653-07E	660' FNL 1980' FWL	T10S-R21E-07-NENW
UTUO2270A	4304739956	NBU 654-07E	1913' FNL 522' FWL	T10S-R21E-07-SWNW
UTUO2270A	4304739860	NBU 655-07E	1926' FSL 750' FWL	T10S-R21E-07-NWSW
UTUO1791	4304739856	NBU 658-01E	2177' FNL 1784' FEL	T10S-R20E-01-SWNE
UTUO2270A	4304739858	NBU 660-12E	661' FNL 691' FEL	T10S-R20E-12-NENE
ML22790	4304750011	NBU 661-24E	1734' FSL 661' FWL	T10S-R20E-24-NWSW
ML22790	4304750017	NBU 662-24E	809' FSL 807' FWL	T10S-R20E-24-SWSW
ML22790	4304750010	NBU 663-24E	810' FSL 1979' FWL	T10S-R20E-24-SESW
ML22790	4304739867	NBU 664-24E	1810' FNL 1781' FEL	T10S-R20E-24-NWSE
ML22790	4304750018	NBU 665-24E	1950' FSL 660' FEL	T10S-R20E-24-NESE
ML22790	4304750057	NBU 666-24E	1043' FSL 1722' FEL	T10S-R20E-24-SWSE
ML22790	4304750012	NBU 667-24E	660' FSL 660' FEL	T10S-R20E-24-SESE
UTUO2270A	4304739901	NBU 668-12E	859' FNL 1915' FEL	T10S-R20E-12-NWNE
UO1207 ST	4304740084	NBU 670-29E	2018' FSL 859' FEL	T09S-R22E-29-NESE
UO1207 ST	4304750027	NBU 691-29E	680' FNL 797' FEL	T09S-R22E-29-NENE
ML3140.5	4304738330	NBU 760-36E	1320' FNL 1320' FEL	T09S-R20E-36-NENE
UTU4476	4304738632	NBU 762-26E	1506' FNL 1449' FEL	T10S-R20E-26-SWNE
ML22792	4304738332	NBU 763-19E	1258' FSL 1388' FEL	T10S-R21E-19-SWSE
ML3142	4304738331	NBU 764-32E	875' FNL 667' FWL	T09S-R21E-32-NWNW
UTUO1791	4304738633	NBU 765-09E	1000' FSL 1640' FWL	T10S-R21E-09-SESW

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DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22790
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 661-24E
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1734 FSL 0661 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 24 Township: 10.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047500110000
PHONE NUMBER: 720 929-6511		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/26/2011	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="text-align: center;"> THE SUBJECT WELL WAS RETURNED BACK TO PRODUCTION ON 12/26/2011. </div> <div style="text-align: right; margin-top: 20px;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 13, 2012 </div>		
NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 1/13/2012	



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

January 26, 2012

CERTIFIED MAIL NO.: 7011 0110 0001 3568 1731

Ms. Julie Jacobson
Kerr McGee Oil and Gas
1099 18th Street, Suite 1800
Denver, CO 80202

43 047 50011
NBU 661-24E
IDS 20E 24

Subject: **SECOND NOTICE: Extended Shut-in and Temporarily Abandoned Well Requirements for Wells on Fee or State Leases**

Dear Ms. Jacobson:

As of January 2012, Kerr McGee Oil and Gas (Kerr McGee) has sixteen (16) State Lease Wells (see Attachment A) that are in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. Wells SI/TA beyond twelve (12) consecutive months requires the filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining (Division) approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (R649-3-36-1.3.3).

This a **THIRD NOTICE** of non-compliance for NBU 1022-1314S which had a re-issued second notice on April 14, 2011. Later an approval to PA on April 19, 2011 was signed by the Division.

This is the **SECOND NOTICE** of non-compliance that Kerr McGee has received for wells listed as such on Attachment A. These wells received a first notice on April 14, 2011. Additional correspondence from Kerr McGee was received in May and June. Three (3) of the aforementioned wells (Attachment A) had previously been granted SI/TA extensions which have since expired.

This is also **FIRST NOTICE** for wells that have recently been added to Kerr McGee's non compliance list. Please submit the required information for extended SI/TA status within 30 days of this notice or further actions will be initiated.



Page 2
Kerr McGee Oil and Gas
January 26, 2012

For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

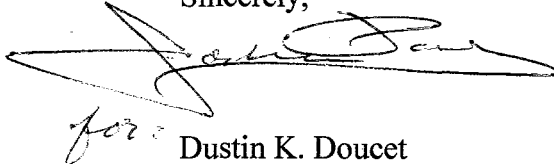
Please note that the Divisions preferred method for showing well integrity is by MIT

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet
Petroleum Engineer

DKD/IP/js
Enclosure
cc: Compliance File
Well File
LaVonne Garrison, SITLA

ATTACHMENT A

	Well Name	API	LEASE	Years Inactive	SI/TA Extension Expired On
3RD NOTICE					
1	NBU 1022-13I4S	43-047-39475	STUO-08512-ST	4 Years 2 Months	12/31/2010
2ND NOTICE					
2	BONANZA 1023-16J	43-047-37092	ML-22186-A	4 Years 10 Months	12/31/2011
3	NBU 921-34J	43-047-37953	STATE	4 Years 6 Months	9/01/2009
4	NBU 921-34L	43-047-36388	STUO-1194-A	2 Years 9 Months	
5	NBU 921-33J	43-047-36394	STOU-015630	2 Years 11 Months	
1ST NOTICE					
6	UTE TRAIL U 88X2G	43-047-15389	ML-3352	1 Year 6 Months	
7	CIGE 3-32-9-22	43-047-30320	ML-22649	1 Year 8 Months	
8	NBU 31-12B	43-047-30385	ML-01197-A	1 Year 10 Months	
9	CIGE 51D	43-047-30889	U-01530-ST	1 Year 6 Months	
10	NBU 69N2	43-047-31090	U-01194-ST	1 Year	
11	NBU 97	43-047-31744	U-01189-ST	1 Year 1 Month	
12	BONANAZA 1023-2I	43-047-35663	ML-47062	1 Year 5 Months	
13	NBU 921-25D	43-047-36700	UO-01189-ST	1 Year 2 Months	
14	NBU 565-30E	43-047-37533	ML-22793	1 Year 11 Months	
15	STATE 1021-36D	43-047-38845	ML-47060	1 Year 5 Months	
16	NBU 661-24E	43-047-50011	ML-22790	1 Year 8 Months	



February 23, 2012

Dustin K. Doucet
Petroleum Engineer
Division of Natural Resources, Division of Oil, Gas and Mining
State of Utah
PO Box 145801
Salt Lake City UT 84114-5801

Dear Mr. Doucet:

We are in receipt of your letters dated January 26, 2012, regarding the shut-in and temporarily abandoned status of wells operated by Kerr McGee Oil and Gas.

The attached list explains the status of each well referenced in your January 26, 2012, letters.

Please do not hesitate to contact me if you have any questions or concerns. I can be reached at 720-929-6515.

Sincerely,

A handwritten signature in black ink, appearing to read "Julie A. Jacobson".

Julie A. Jacobson
Regulatory Affairs Supervisor

Attachment

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FEB 23 2012
DIV. OF OIL, GAS & MINING

23-Feb-12

UDOGM LETTER(S)

WELL	API	Lease	Comment
UTAH 10-415	43-015-30391	ML-48189	P&A procedure planned to be submitted
NBU 1022-13I4S	43-047-39475	STUO-08512-ST	P&A procedure approved in June 2011; work completed by April 11, 2012
Bonanza 1023-16J	43-047-37092	ML-22186-A	TA approved on 4/19/2011; considering use of wellbore
NBU 921-34J	43-047-37953	STATE	June 2011 approved to convert to Birds Nest; convert by July 1, 2012
NBU 921-34L	43-047-36388	STUO-1194-A	June 2011 approved to convert to Birds Nest; convert by July 1, 2012
NBY 921-33J	43-047-36394	STUO-015630	Recompleted approved June 2011; on schedule
UTE Trail U88X2G	43-047-15389	ML-3352 (ML13826??)	Decision on well by May 1, 2012
CIGE 3-32-9-22	43-047-30320	ML-22649	Waiting for ground from recent activities to settle and then will put well back on production
NBU 31-12B	43-047-30385	ML-01197	Return to production by 5/1/2012
CIGE 51D	43-047-30889	U-01530-ST	P&A procedure approved; will plug this year
NBU 69N2	43-047-31090	U-01194-ST	Under review
NBU 97	43-047-31744	U-01189-ST	TA'd due to pressure monitor; pad completion aroun 9/1/2012
BONANZA 1023-2I	43-047-35663	ML-47062	work over scheduled 6/1/2012
NBU 921-25D	43-047-36700	UO-001189	TA'd due to pressure monitor; expected to drill out around 9/1/2012
NBU 565-30E	43-047-37533	ML-22793	P&A producer approved; work will be completed 7/18/2012
STATE 1021-36D	43-047-38845	ML-47060	producing (as of 12/28/2011)
NBU 661-24E	43-047-50011	ML-22790	producing (as of 12/28/2011)

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DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22790
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 661-24E
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1734 FSL 0661 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 24 Township: 10.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047500110000
PHONE NUMBER: 720 929-6100		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/24/2015	<input type="checkbox"/> SPUD REPORT Date of Spud:	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The NBU 661-24E well was returned to production on 6/24/2015. Thank you.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 29, 2015		
NAME (PLEASE PRINT) Jennifer Thomas	PHONE NUMBER 720 929-6808	TITLE Regulatory Specialist
SIGNATURE N/A	DATE 6/25/2015	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22790
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Gas Well	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	8. WELL NAME and NUMBER: NBU 661-24E	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6454	9. API NUMBER: 43047500110000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1734 FSL 0661 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 24 Township: 10.0S Range: 20.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
		COUNTY: UINTAH
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/30/2016	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, LP respectfully requests to plug and abandon the NBU 661-24E well. Please see the attached procedure for details. Thank you.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: November 09, 2016

By: *Derek Dunt*

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT) Candice Barber	PHONE NUMBER 435 781-9749	TITLE HSE Representative
SIGNATURE N/A		DATE 9/30/2016



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047500110000

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.**
- 2. All balanced plugs shall be tagged to ensure they are at the depths specified in the procedure.**
- 3. All annuli shall be cemented from a minimum depth of 100' to the surface.**
- 4. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration.**
- 5. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 6. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.**
- 7. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.**

11/9/2016

Wellbore Diagram

r263

API Well No: 43-047-50011-00-00

Permit No:

Well Name/No: NBU 661-24E

Company Name: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Location: Sec: 24 T: 10S R: 20E Spot: NWSW

Coordinates: X: 617858 Y: 4420974

Field Name: NATURAL BUTTES

County Name: UINTAH

String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	Capacity (bbl/cf)
HOL1	2452	12.25			
SURF	2450	9.625	36	2450	
HOL2	7255	7.875			
PROD	7255	4.5	11.6	7255	11.459
T1	5003	2.375			

$$9\frac{5}{8}'' \times 4\frac{1}{2}'' \rightarrow 3.090$$

Plug #6
 $8\text{ sk} = 105'$ ✓
 $(30\text{ sk})(1.15)(3.090) = 106'$ ✓

1458' GRRV
 1054'
 264'

Plug #5
 $16\text{ sk} = 210'$
 $\text{TOC @ } 1054'$ ✓

Cement Information

Cement from 2450 ft. to surface

Surface: 9.625 in. @ 2450 ft.

Hole: 12.25 in. @ 2452 ft.

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
PROD	7255	670	LT	460
PROD	7255	670	UK	850
SURF	2450	0	PP	750

2731' Base PARCK
 2831'
 $(33\text{ sk})(1.15)(11.459) = 434'$
 $\text{TOC @ } 2397'$ ✓

Plug #3
 $16\text{ sk} = 210'$
 $\text{TOC @ } 3695'$ ✓

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
5050	7104			

Plug #2
 $(16\text{ sk})(1.15)(11.459) = 210'$
 $\text{TOC @ } 4249'$ ✓

Cement from 7255 ft. to 670 ft.

Tubing: 2.375 in. @ 5003 ft.

CIP @ 5000'

Plug #1

$(8\text{ sk})(1.15)(11.459) = 105'$
 $\text{TOC @ } 4895'$ ✓

Formation Information

Formation	Depth
UNTA	0
GRRV	988
MHGBN	1875
PARCK	2731
BMSW	3800
UTEBT	4320
WSTC	4457

Production: 4.5 in. @ 7255 ft.

Hole: 7.875 in. @ 7255 ft.

Hole: Unknown

TD: 7263 TVD: 7263 PBTD: 7210

NBU 661-24E
 1734' FSL & 661' FWL
 NWSW SEC. 24, T10S, R20E
 UINTAH UT

KBE:	5230'	API NUMBER:	4304750011
GLE:	5217'	LEASE NUMBER:	ML-22790
TD:	7263'	LAT/LONG:	39.930685/-109.6207
PBTD:	7210'		

CASING : 12.25" hole
 SURFACE 9.625" 36# J-55 @ 2452'

PRODUCTION 7.875" hole
 4.5" 11.6# N-80 @ 7255'
 Est. TOC @ 660' CBL

PERFORATIONS: WASATCH TOP-BOTTOM 5050'-7104'

TUBING: 2.375" 10.7# tbg at 5003'

Tubular/Borehole	ID	Drift inches	Collapse psi	Burst psi	Capacities		
	inches				Gal./ft.	Cuft./ft.	Bbl./ft.
2.375" 4.7# J-55 tbg	1.995	1.901	8100	7700	0.1624	0.02171	0.00387
2.375" 4.7# P-110 tbg	1.995	1.901	13800	15400	0.1624	0.02171	0.00387
2.375" 4.7# L-80 tbg	1.995	1.901	11780	11200	0.1624	0.02171	0.00387
4.5" 11.6# N-80 csg	4	3.875	6350	7780	0.65282	0.08727	0.01554
9.625" 36# J-55 csg	8.921	8.765	2020	3520	3.24699	0.43406	0.07731

Annular Capacities	Gal./ft.	Cuft./ft.	Bbl./ft.
2.375" tbg. X 4.5" csg	0.42272	0.05651	0.01006
4.5" csg. X 9.625" csg	2.42077	0.32361	0.05764
4.5" csg X 7.875 borehole	1.70406	0.2278	0.04057

GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Top Green River	1159'
Top Mahogany	1875'
Base Parachute	2731'
Top Wasatch	4459'
Top Mesaverde	0'

<http://digitallibrary.utah.gov/awweb/awarchive?type=file&item=55737>

BMSW Elevation ~1430' MSL
 BMSW Depth ~3800'

NBU 661-24E PLUG & ABANDONMENT PROCEDURE

GENERAL

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- BLOW DOWN BRADEN HEAD AND SURFACE CASING AS NEEDED AS PER SOP.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, 15.8ppg, YIELD 1.145 CUFT/SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLS FLUID AND IS TO BE PLACED BETWEEN ALL PLUGS.
- NOTIFY APPROPRIATE AGENCY 48 HOURS BEFORE MOVING ON LOCATION.

PERTINENT WELL HISTORY:

PROCEDURE

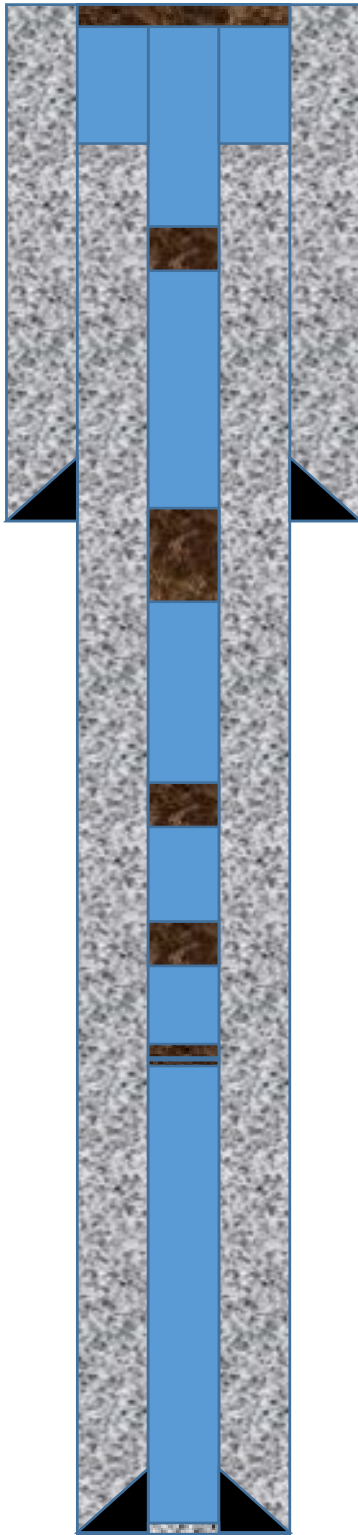
Note: Approx. **127 SXS** Class "G" cement needed for procedure & **(2) 4.5" CIBP**

Note: NO GYRO ON RECORD. (IF GYRO NEEDED, A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE).

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. POOH W/ TBG & L/D SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL PER FOREMAN DISCRETION.
3. ISOLATE PERFORATIONS (7104'-5050'): RIH ON WIRELINE OR TUBING W/ 4.5" CIBP. SET @ ~5000', (50' above top perf at 5050'). RELEASE CIBP, PUH 10', CIRC ENTIRE HOLE W/ TREATED FRESH WATER AND PRESSURE TEST CASING. SET A 105FT BALANCED CMT PLUG F/ 5000' to 4895'(8 SXS, 9.16 FT3, 1.64 BBLS).
4. PROTECT WASATCH TOP (4459'): PUH WITH TUBING AND PUMP A MINIMUM OF (210FT) CMT F/ 4459' to 4249' (16 SXS, 18.32 FT3, 3.27 BBLS).
5. PROTECT BMSW (3800'): PUH WITH TUBING AND PUMP A MINIMUM OF (210FT) CMT F/ 3905' to 3695' (16 SXS, 18.32 FT3, 3.27 BBLS).
6. PROTECT PARACHUTE BASE (2731') & CASING SHOE (2452'): PUH WITH TUBING AND PUMP A MINIMUM OF (433 CMT F/ 2831 to 2398' (33 SXS, 37.79 FT3, 6.73 BBLS).
7. PROTECT GREEN RIVER (1159'): PUH WITH TUBING AND PUMP A MINIMUM OF (210FT) CMT F/ 1264' to 1054' (16 SXS, 18.32 FT3, 3.27 BBLS).
8. PROTECT SURFACE (101'): PUH WITH TUBING AND PUMP A MINIMUM OF (105 FT) CMT F/ 105'-0' (8 SXS, 9.16 FT3, 1.64 BBLS). POOH AND RUN 1 INCH TUBING DOWN THE PRODUCTION/SURFACE CASING ANNULUS TO AS DEEP AS POSSIBLE AND CEMENT TO SURFACE (30 SXS, 34.35 FT3, 6.12 BBLS).
9. CUT OFF WELLHEAD AND INSTALL MARKER PER REGULATIONS.
10. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB. SURFACE RECLAMATION TO BE PERFORMED IN ACCORDANCE TO REGULATIONS.

NBU 661-24E

Total SXS: 127, Total CIBP: 1



<- Plug for Surface at 0' from 0' to 105' with 195SXS,105ft.

<- TOC at 660'

<- Plug for GreenRiver at 1159' from 1264' to 1054' with 16SXS,210ft.

<- Mahogany at 1875'

<- Surface Shoe at 2452

<- Plug for Surface Shoe & Parachute Base from 2831' to 2398' with 33SXS,433ft.

<- Parachute Base at 2731'

<- Plug for BMSW at 3800' from 3905' to 3695' with 16SXS,210ft.

<- Plug for Wasatch at 4459' from 4459' to 4249' with 16SXS,210ft.

<- Plug above CIBP at 5000' from 5000' to 4895' with 8SXS,105ft.

<-CIBP Above Perfs at 5000'

<-Top Perf at 5050'

<-PBTD at 7210'

<- Production Casing Shoe at 7255'

<-TD at 7263'

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 661-24E
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PHONE NUMBER: 720 929-6456		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/6/2016	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input checked="" type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER	
	OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Kerr-McGee Oil & Gas Onshore, LP has plugged and abandoned the NBU 661-24E well. Please see the operations summary report for details. Thank you.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 08, 2016		
NAME (PLEASE PRINT) Candice Barber	PHONE NUMBER 435 781-9749	TITLE HSE Representative
SIGNATURE N/A	DATE 12/8/2016	

US ROCKIES REGION
Operation Summary Report

Well: NBU 661-24E				Spud date: 3/6/2009				
Project: UTAH-UINTAH				Site: NBU 661-24E				Rig name no.: MILES-GRAY 1/1
Event: ABANDONMENT				Start date: 11/28/2016				End date: 12/6/2016
Active datum: GL @5,217.00usft (above Mean Sea Level)				UWI: NBU 661-24E				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
12/1/2016	8:30 - 9:00	0.50	ABANDP	30	G	P		ROAD RIG TO LOCATION.
	9:00 - 11:30	2.50	ABANDP	30	A	P		MIRU. SPOT IN ALL EQUIP. LAY PUMP LINES, FLOW LINE, ETC.
	11:30 - 17:00	5.50	ABANDP	49	A	P		X/O DRILL LINE. SERVICE RIG. SDFN.
12/5/2016	7:00 - 7:15	0.25	ABANDP	48	B	P		SAFETY = JSA.
	7:15 - 8:40	1.42	ABANDP	30	D	P		SICP= 350#. SITP= 300#. BLOW DOWN WELL TO PRODUCTION TANKS. CNTRL TBG W/ 20BBLS TMAC. CNTRL CSG W/ 20BBLS TMAC. NDWH. UN-LAND TBG (NOT STUCK). LAND TBG BACK ON HANGER. FUNCTION TEST BOP GOOD. NUBOP. R/U FLOOR & TBG EQUIP. UN-LAND TBG & RMV HANGER.
	8:40 - 11:45	3.08	ABANDP	31	I	P		MIRU SCANNERS. POOH WHILE SCANNING 153JTS 2-3/8" L-80 TBNG. L/D ALL TBNG FOR BETTER INSPECTION. SCAN RESULTS AS FOLLOWS: Y-BND= 114JTS R-BND= 39JTS RDMO SCANNERS.
	11:45 - 14:30	2.75	ABANDP	31	G	P		CNTRL CSG W/ 20BBLS TMAC. P/U & RIH W/ 4-1/2" WF CICR + 155JTS 2-3/8" J-55 TBNG. SET CICR @ 5000'. STING OUT OF CICR. PUH 10'. L/D 1JT TBNG.
	14:30 - 15:10	0.67	ABANDP	31	H	P		BREAK CONV CIRC W/ TMAC. CIRC WELLBORE CLEAN & GAS FREE W/ 77BBLS TMAC.
	15:10 - 16:00	0.83	ABANDP	52	F	P		PRESSURE TEST 4-1/2" PRODUCTION CSNG & CICR GOOD @ 500#. LOST 0# IN 5MIN. BLEED OFF PRESSURE. DRAIN EQUIP. SWIFN. SDFN.
12/6/2016	7:00 - 7:15	0.25	ABANDP	48	B	P		SAFETY = JSA.

US ROCKIES REGION

Operation Summary Report

Well: NBU 661-24E

Spud date: 3/6/2009

Project: UTAH-UINTAH

Site: NBU 661-24E

Rig name no.: MILES-GRAY 1/1

Event: ABANDONMENT

Start date: 11/28/2016

End date: 12/6/2016

Active datum: GL @5,217.00usft (above Mean Sea Level)

UWI: NBU 661-24E

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	7:15 - 13:00	5.75	ABANDP	51	D	P		<p>0# ON WELL. MIRU CMT CREW. BEGIN PUMPING CMT PLUGS AS POOH W/ TBNG. ALL CMT PUMPED @ 15.8# AND IS G CMT. PLUGS PUMPED AS FOLLOWS:</p> <p>CIBP @ 5000'. PUMP 2.6BBLS FRESH WATER. PUMP 10SX CMT. DISPLACE W/ 1BBL FRESH WATER & 17.7BBLS TMAC. PUH TBNG.</p> <p>EOT @ 4459'. FILL HOLE W/ TMAC. PUMP 2.6BBLS FRESH WATER. PUMP 16SX CMT. DISPLACE W/ 1BBL FRESH WATER & 15.3BBLS TMAC. PUH TBNG.</p> <p>EOT @ 3905'. FILL HOLE W/ TMAC. PUMP 2.6BBLS FRESH WATER. PUMP 17SX CMT. DISPLACE W/ 1BBL FRESH WATER & 13.1BBLS TMAC. PUH TBNG.</p> <p>EOT @ 2831'. FILL HOLE W/ TMAC. PUMP 2.6BBLS FRESH WATER. PUMP 33SX CMT. DISPLACE W/ 1BBL FRESH WATER & 8BBLS TMAC. PUH TBNG.</p> <p>EOT @ 1264'. FILL HOLE W/ TMAC. PUMP 2.6BBLS FRESH WATER. PUMP 17SX CMT. DISPLACE W/ 1BBL FRESH WATER & 2.9BBLS TMAC. POOH WHILE L/D REMAINDER OF TBNG.</p> <p>R/D FLOOR & TBNG EQUIP. NDBOP. RDMO RIG.</p> <p>MIRU ROUSTABOUT CREW. EXPOSE WELLHEAD. CUT & LOWER WELLHEAD. FLUID LEVEL IN 4-1/2" CSNG @ 142' FROM SURFACE. MIX & PUMP 12SX CMT INSIDE OF 4-1/2" PRODUCTION CSNG. RIH W/ 80' OF 1" TBNG INSIDE OF 4-1/2" X 9-5/8" ANNULUS. MIX & PUMP 40SX CMT UNTIL GOOD CMT @ SURFACE. POOH 1" TBNG. ALL CMT @ SURFACE & STAYED FULL. WELD ON MARKER PLATE. BACKFILL WELLHEAD. P&A COMPLETE.</p> <p>WELLHEAD COORDINATES:</p> <p>LAT: 39.930685 LONG: -109.6207</p> <p>NOTE: P&A WITNESSED BY RICHARD POWELL W/ UDOGM. RICHARD APPROVED OF ALL ACTIONS.</p>